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# **South Dakota GAME REPORT**

**No. 2015 - 06**

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***2014***

**Annual Report**

## **BIG GAME HARVEST PROJECTIONS**

**Corey Huxoll**

**Game Harvest Surveys Coordinator  
Administrative Section  
Division of Wildlife  
South Dakota Department of Game, Fish and Parks  
Joe Foss Building, 523 E. Capitol Ave.  
Pierre, South Dakota 57501-3182**



## PREFACE

Big game harvest estimates reported herein for the 2014 big game seasons were developed as described in Wildlife Survey Manual, 2009-2015, South Dakota Department of Game, Fish and Parks. Species-specific methodologies are reported there.

Wildlife Division personnel, Administrative Section (all seasons except Bighorn sheep and Mountain goat – Corey Huxoll) and Terrestrial Resources Section (Bighorn sheep and Mountain goat – Chad Lehman) were responsible for development of these harvest estimates, as part of Federal Aid for Wildlife Restoration as Project W-95-R. Harvest survey responses were taken directly over the Internet using SurveyMonkey® or the SDGFP website, or were processed and encoded by Erin Moehring, Dana Ertz, and Corey Huxoll.

This report funded in part by Federal Aid Project W-95-R





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## **SPRING PRAIRIE TURKEY**

The 2014 Spring Prairie Turkey season was open April 12 through May 18 for all units except Davison/Hanson, Clay, Lincoln and Union, which all had split seasons. License sales totaled 7,189 (5,888 residents and 1,301 nonresidents) compared to 7,874 in 2013. There were 8,088 licenses available and overall tag sales totaled 8,962.

The survey sample size was 5,093 (77% of all hunters) and the response rate was 81%. Surveys were sent via email and regular mail. The reported overall success rate for hunters was 40% and the projected harvest was 3,597 turkeys.

Spring prairie turkey hunters averaged 2.40 days hunting for a projected total of 15,833 hunting days. Only single and double tag male turkey licenses were available this year. An estimated 106 hens were harvested even though they were not legal to take.

Respondents were asked to gauge their satisfaction of the season (1 being least satisfied, 7 being most satisfied) and the average response was 5.26.

### **Comparison of the 2004-2014 Spring Prairie Turkey Seasons**

<b>Year</b>	<b>Res Lic</b>	<b>NR Lic</b>	<b>Tags</b>	<b>Harvest</b>		<b>Success</b>	<b>Avg Days Hunted</b>	<b>Satisf</b>
				<b>Males</b>	<b>Hens</b>			
2004	4,502	821	7,627	3,713	355	53%	2.71	4.69
2005	4,787	876	7,864	3,988	297	55%	2.87	4.78
2006	5,308	1,004	9,605	4,583	487	53%	2.77	4.59
2007	5,477	1,108	9,993	4,595	524	51%	2.73	5.58
2008	6,118	1,252	11,228	5,333	588	53%	2.73	5.64
2009	6,284	1,195	12,472	5,769	600	51%	2.93	5.81
2010	6,445	1,246	12,655	5,809	755	52%	2.93	5.81
2011	6,817	1,247	13,203	4,989	547	42%	2.70	5.50
2012	6,479	1,384	12,802	5,112	442	43%	2.58	5.67
2013	6,489	1,385	12,879	4,732	481	41%	2.57	5.33
2014	5,888	1,301	8,962	3,491	106	40%	2.40	5.26

**South Dakota Game Report No 2015-06 - 2014 Big Game Harvest Projections**  
*Corey Huxoll*

## 2014 Spring Prairie Turkey Harvest Projections

Last Revised:  
06/16/2015

County Unit		Licenses																		Avg Days	Mean Satisfctn
		Resident			Nonresident				Response	Tags	Unit/ Subunit	Harvest Projections									
												Males		Total							
License	Type	Hunters	Choice *	Avail.	Sold	Choice *	Avail.	Sold	Rate	sold	Success	1st tag	2nd tag	Adults	Jakes	Hens	Harvest	Hunted	Score		
Bennett	35	68	25	70	39	31	6	37	78%	152	41%	48%	36%		58	3	3	63	2.32	5.10	
Bon Homme	32	269	195	300	288	0	0	12	79%	300	36%	36%		95	10	3	108	2.28	5.50		
Brookings	32	20	36	20	20	0	0	0	90%	20	33%	33%		7	0	0	7	2.50	4.77		
Brule	32	95	24	150	100	0	0	8	79%	108	45%	45%		40	8	1	49	1.97	5.58		
Butte/Lawrence	35	360	84	450	218	94	36	169	85%	774	32%	42%	21%	246	0	2	248	2.84	5.30		
Charles Mix/Douglas	32	381	279	400	398	0	0	2	81%	400	32%	32%		101	20	7	129	2.33	5.07		
Clay	32	149	83	160	159	0	0	1	82%	160	32%	32%		50	1	0	51	2.64	4.95		
Corson	32	77	35	100	77	6	8	15	81%	92	51%	51%		43	2	1	47	2.10	4.94		
Custer/ Penn-Mid	35	131	45	180	116	18	15	32	76%	296	35%	44%	26%	101	3	0	103	2.74	5.07		
Davison/Hanson	32	157	123	160	159	0	0	1	80%	160	31%	31%		44	4	3	50	2.07	5.29		
Day/Codington	32	60	68	60	60	0	0	0	75%	60	44%	44%		27	0	0	27	2.67	5.61		
Deuel	32	90	106	90	90	0	0	0	90%	90	54%	54%		44	3	1	49	2.90	5.71		
Dewey/Ziebach	32	108	31	150	100	14	12	38	87%	138	41%	41%		56	0	1	57	1.80	5.01		
Fall River	35	140	41	150	108	31	12	41	84%	298	34%	48%	21%	96	4	2	102	2.74	5.41		
Grant	32	220	216	220	220	0	0	0	83%	220	55%	55%		95	19	7	121	2.90	5.53		
Gregory	32	927	584	950	867	199	76	160	80%	1,027	42%	42%		343	67	26	436	2.05	5.12		
Haakon	35	203	58	300	144	27	24	78	84%	444	42%	57%	28%	163	14	8	185	2.37	5.78		
Harding	32	99	57	150	91	10	12	25	84%	116	31%	31%		33	2	0	36	2.16	4.27		
Hughes	32	37	27	40	40	0	0	0	84%	40	24%	24%		7	2	0	10	2.23	5.80		
Hutchinson	32	80	70	80	80	0	0	0	84%	80	46%	46%		33	4	0	37	2.88	5.63		
Jackson	35	201	63	200	128	47	16	88	80%	432	50%	58%	41%	200	13	3	215	2.20	5.19		
Jerauld	32	10	18	10	10	0	0	0	90%	10	0%	0%		0	0	0	0	1.33	5.13		
Jones	32	59	10	100	50	12	8	31	73%	81	47%	47%		38	0	0	38	2.02	6.11		
Lincoln	32	100	210	100	100	0	0	0	79%	100	35%	35%		32	4	0	35	2.62	4.49		
Lyman	32	156	110	150	135	33	12	27	79%	162	39%	39%		49	11	3	63	2.58	4.71		
Marshall/Roberts	32	480	368	500	486	0	0	14	77%	500	45%	45%		204	13	7	224	2.76	5.21		
Meade/Pennngtn	35	332	62	350	215	63	28	134	75%	698	35%	44%	24%	232	6	4	241	2.25	5.37		
Mellette	32	282	94	450	235	55	36	115	81%	350	35%	35%		96	18	10	123	1.91	4.53		
Minnehaha	32	100	94	100	100	0	0	0	86%	100	24%	24%		23	1	0	24	2.05	5.19		
Moody	32	40	44	40	40	0	0	0	93%	40	62%	62%		23	1	1	25	3.57	5.78		
Oahe Downstream	32	5	0	4	5	0	1	0		5											
Pennington-East	35	120	26	300	57	28	24	75	85%	264	44%	55%	31%	110	5	0	115	2.26	5.45		
Perkins	35	49	8	100	35	4	8	17	78%	104	30%	44%	15%	25	5	1	31	1.66	5.07		
Sanborn	32	40	35	40	40	0	0	0	78%	40	26%	26%		8	1	1	10	3.13	4.45		
Shannon	35	34	0	70	12	5	6	30	76%	84	79%	82%	67%	64	3	0	67	3.68	4.79		
Stanley	32	54	50	50	51	2	4	3	87%	54	36%	36%		13	5	2	20	1.81	5.08		
Todd	32	52	21	100	47	11	8	24	83%	71	37%	37%		24	1	1	27	1.67	4.70		
Tripp	32	361	230	400	311	79	32	121	80%	432	58%	58%		238	11	2	250	1.87	5.46		
Turner	32	20	19	20	20	0	0	0	80%	20	50%	50%		10	0	0	10	3.50	5.67		
Union	32	160	182	160	160	0	0	0	79%	160	39%	39%		55	5	1	62	3.10	5.04		
Yankton	32	271	215	280	277	0	0	3	83%	280	37%	37%		89	9	5	103	2.60	5.50		

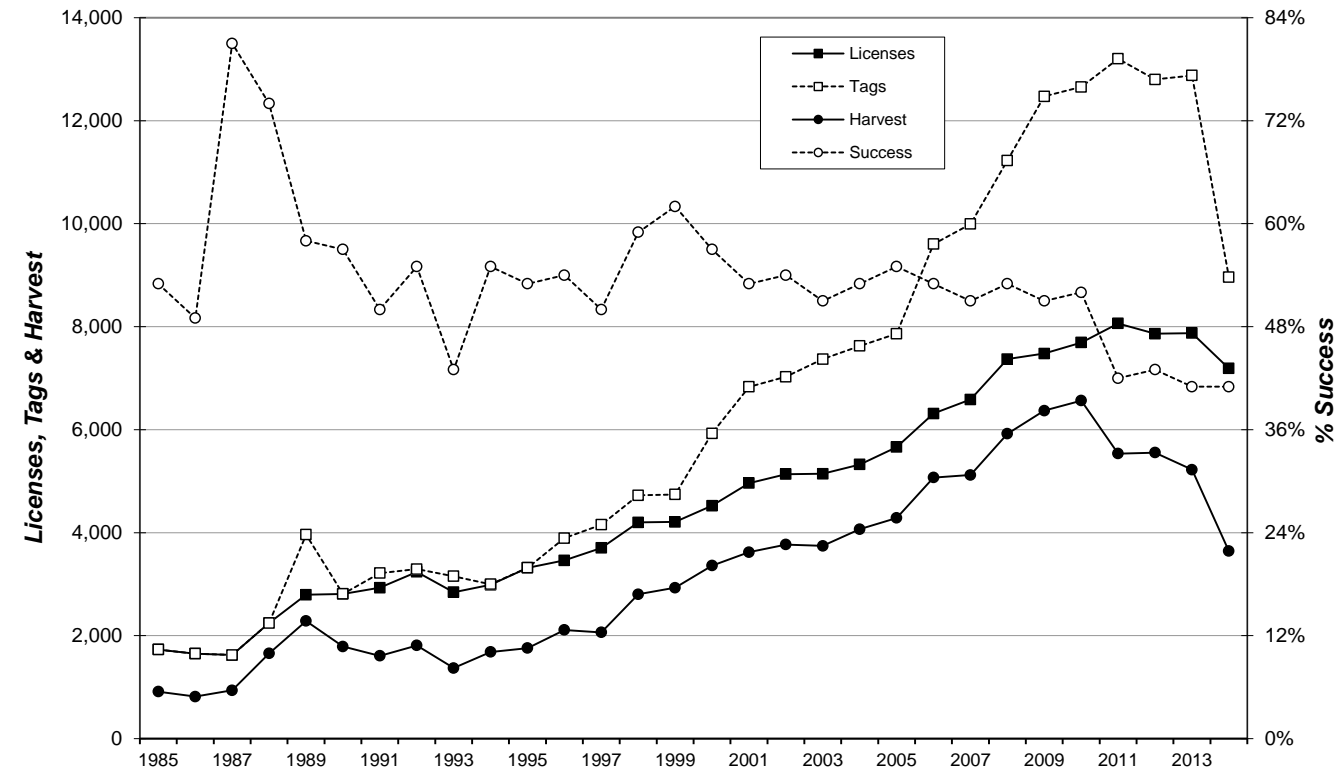
<b>Totals</b>	<b>6,597</b>	<b>4,046</b>	<b>7,704</b>	<b>5,888</b>	<b>769</b>	<b>384</b>	<b>1,301</b>	<b>81%</b>	<b>8,962</b>	<b>40.1%</b>				<b>3,214</b>	<b>277</b>	<b>106</b>	<b>3,597</b>	<b>2.40</b>	<b>5.26</b>
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Response rate for all units combined was **80.9%**

Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

\* Number of 1st drawing applicants with that season as 1st choice.

### Spring Firearm Prairie Turkey 1985-2014



# **SPRING BLACK HILLS TURKEY**

An unlimited number of licenses were available and 3,944 licenses were issued for the 2014 Spring Black Hills Turkey season (2,641 residents, 1,303 nonresidents). All licenses consisted of single tags for male turkeys only.

The survey sample size was 599 (16% of hunters) and the response rate was 78%. Surveys were sent via email and regular mail. The reported success rate was 32% and the projected harvest was 1,258 male turkeys.

The season was open from April 12 through May 18 and hunters averaged 3.19 days of hunting for a projected total of 11,890 days of recreation for the season.

Resident hunters purchased 370 licenses for the BH2 unit, where tags were only valid May 1-18. Of those, 153 did not have a unit BH1 license; therefore, only 217 hunters purchased two licenses for the season. Reported success for unit BH2 for those hunters who purchased two licenses was 22%.

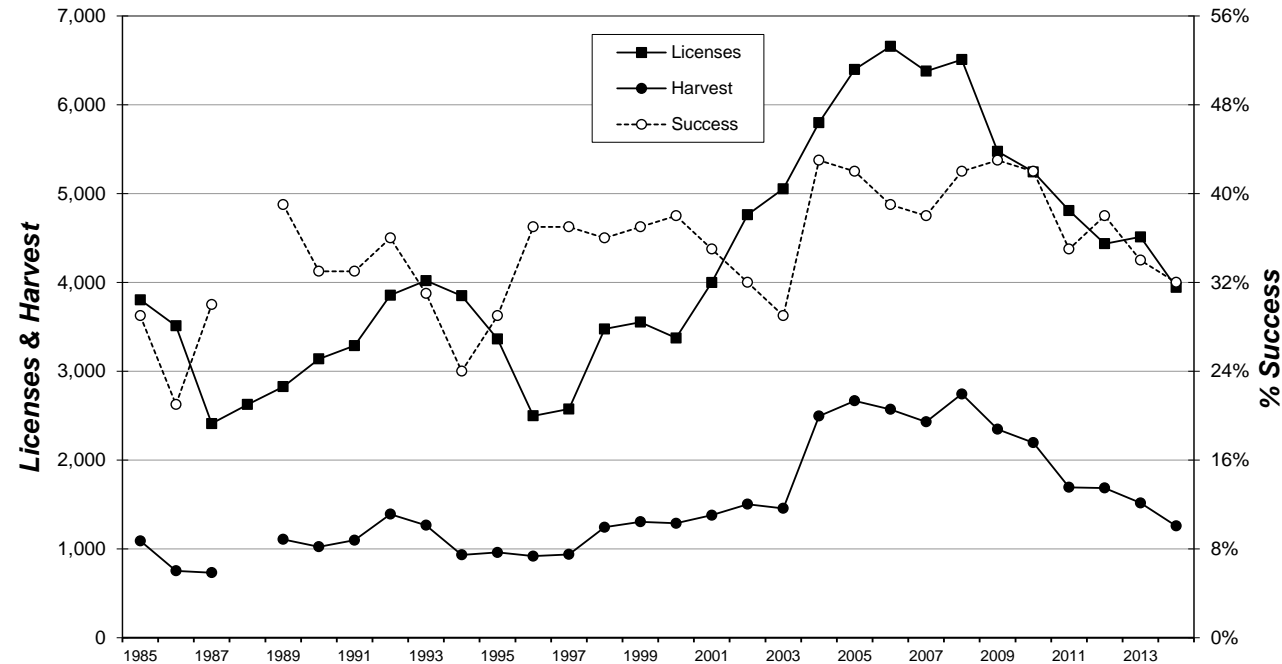
## **Comparison of the 2004-2014 Spring Black Hills Turkey Seasons**

<b>Year</b>	<b>Licenses Issued</b>	<b>Harvest</b>	<b>Avg Days Hunted</b>	<b>Success</b>	<b>Average Satisfaction</b>
2004	5,798	2,494	3.58	43%	4.67
2005	6,397	2,666	3.53	42%	4.66
2006	6,656	2,570	3.65	39%	4.95
2007	6,378	2,430	3.45	38%	5.57
2008	6,508	2,743	3.39	42%	5.52
2009	5,474	2,346	3.46	43%	5.69
2010	5,244	2,195	3.97	42%	5.36
2011	4,808	1,693	3.53	35%	5.28
2012	4,435	1,685	3.63	38%	5.31
2013	4,512	1,517	3.18	34%	5.08
2014	3,944	1,258	3.19	32%	4.99

## **2014 Spring Black Hills Turkey Harvest Projections**

Last Revised: 06/18/2015 Unit/Type		Licenses				Response Rate	Unit/ Subunit Success	Harvest Estimate			Ave. Days Hunted	Avg Satsfctn
		Resident		Nonresident				Toms	Jakes	Total		
		Avail.	Sold	Avail.	Sold							
BH1-32		Unlim	2,271	Unlim	1,303	77.6%	32%	1,114	144	1,258	3.19	4.99
BH2-32		Unlim	370	0	0							
		2,641		1,303								
Response rate for the season was		77.6%										
Satisfaction scale of 1=very dissatisfied to 7=very satisfied.												
217 hunters had licenses for both BH1 and BH2 units												

# Black Hills Spring Turkey 1985-2014



## **SPRING ARCHERY TURKEY**

There were 2,335 resident and 387 nonresident licenses sold for a total of 2,722 licensed spring archery turkey hunters in 2014.

To obtain harvest estimates, 44% of the license holders were sampled for an overall sample size of 1,196. The response rate was 76%. Surveys were sent via email and regular mail.

The projected harvest based on survey responses was 695 male turkeys for a success rate of 26%, which was an increase of 3% from 2013. The season was open from April 5 through May 18 and the projected total number of days hunted was 9,282, an average of 3.41 days per hunter.

The five units with the highest reported harvest were Gregory, Grant, Marshall/Roberts, Charles Mix/Douglas, and the Black Hills.

### **Comparison of the 2004-2014 Spring Archery Turkey Seasons**

<b>Year</b>	<b>Licenses Sold</b>		<b>Male Harvest</b>	<b>Success</b>	<b>Avg Days Hunted</b>	<b>Satisfaction</b>
	<b>Resident</b>	<b>Nonresident</b>				
2004	1,330	322	512	31%	4.62	4.61
2005	1,778	401	591	27%	4.46	4.61
2006	2,072	460	737	29%	4.52	4.63
2007	2,079	400	679	27%	4.25	5.42
2008	2,199	459	722	27%	4.34	5.45
2009	2,124	443	844	33%	4.42	5.51
2010	2,085	463	780	31%	4.28	5.41
2011	2,243	478	686	25%	3.91	5.37
2012	2,137	418	739	29%	3.57	5.48
2013	2,390	440	641	23%	3.42	5.12
2014	2,335	387	695	26%	3.41	5.17

### **2014 Spring Archery Turkey Harvest Projections**

Last Revised:		Licenses				Unit/						
08/18/2014		Resident		Nonresident		Response	Subunit	Harvest Estimate			Ave. Days	Avg
Unit/Type		Avail.	Sold	Avail.	Sold	Rate	Success	Toms	Jakes	Total	Hunted	Satsfctn
ST1-32		Unlim	2,335	Unlim	387	76.0%	26%	608	87	695	3.41	5.17

Response rate for the season was **76.0%**

Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

## 2014 Spring Archery Turkey Harvest Distribution

Last Revised:

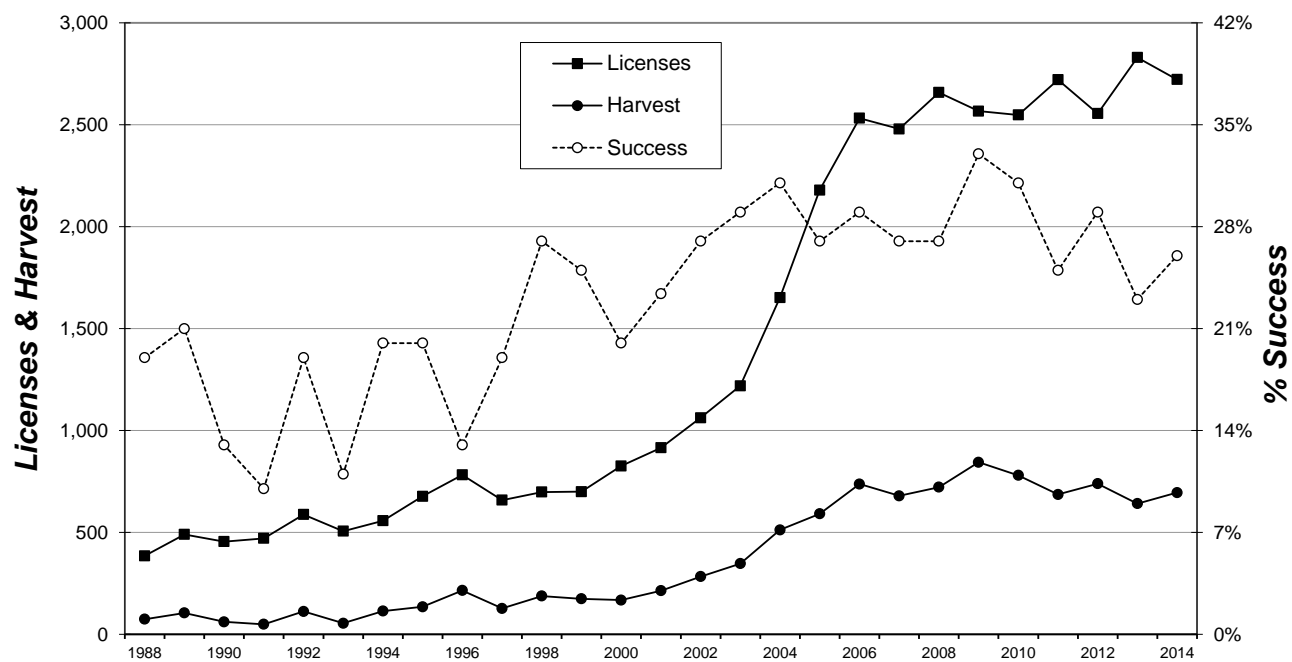
18-Aug-14

18-Aug-14	Reported Harvest			Projected Harvest			
	Males			Males			
County	Toms	Jakes	Total	Toms	Jakes	Total	%
01A (Minnehaha)	9	2	11	27	6	33	4.8%
02A (Pennington-East)	7	2	9	21	6	27	3.9%
06A (Brookings)	1	0	1	3	0	3	0.4%
07A (Yankton)	8	3	11	24	9	33	4.8%
08A (Davison/Hanson)	9	0	9	27	0	27	4.0%
11A (Bennett)	0	0	0	0	0	0	0.0%
12A (Bon Homme)	1	2	3	3	6	9	1.3%
13A (Brule)	1	0	1	3	0	3	0.4%
15A (Butte/Lawrence)	4	0	4	12	0	12	1.8%
17A (Charles Mix/Douglas)	13	2	15	40	6	46	6.6%
19A (Clay)	8	4	12	24	12	36	5.2%
20A (Corson)	0	0	0	0	0	0	0.0%
21A (Custer/Penn-Mid)	4	2	6	12	6	18	2.6%
22A (Day/Codington)	8	1	9	24	3	27	3.9%
23A (Deuel)	4	1	5	12	3	15	2.2%
24A (Dewey/Ziebach)	1	0	1	3	0	3	0.4%
27A (Fall River)	2	0	2	6	0	6	0.9%
29A (Grant)	17	1	18	52	3	55	7.9%
30A (Gregory)	20	3	23	61	9	70	10.1%
31A (Haakon)	1	0	1	3	0	3	0.4%
35A (Harding)	0	0	0	0	0	0	0.0%
36A (Hughes)	0	0	0	0	0	0	0.0%
37A (Hutchinson)	2	0	2	6	0	6	0.9%
39A (Jackson)	2	0	2	6	0	6	0.9%
40A (Jerauld)	0	0	0	0	0	0	0.0%
41A (Jones)	0	0	0	0	0	0	0.0%
44A (Lincoln)	3	0	3	9	0	9	1.3%
45A (Lyman)	4	0	4	12	0	12	1.8%
48A (Marshall/Roberts)	14	2	16	43	6	49	7.0%
49A (Meade/Pennington)	13	1	14	40	3	43	6.1%
50A (Mellette)	2	0	2	6	0	6	0.9%
52A (Moody)	1	0	1	3	0	3	0.4%
53A (Perkins)	1	0	1	3	0	3	0.4%
56A (Sanborn)	2	0	2	6	0	6	0.9%
58A (Stanley)	2	0	2	6	0	6	0.9%
60A (Tripp)	8	0	8	24	0	24	3.5%
61A (Turner)	1	0	1	3	0	3	0.4%
62A (Union)	14	0	14	43	0	43	6.2%
65A (Shannon)	0	0	0	0	0	0	0.0%
67A (Todd)	0	0	0	0	0	0	0.0%
BH1 (Black Hills)	12	3	15	37	9	46	6.6%
Unknown	4	0	4				
TOTALS	203	29	232	608	87	695	

Any by unit projected harvest values will differ from by statewide projected harvest values due to incorrect sampling proportions within management units.

Use these figures for approximations only!

## Spring Archery Turkey 1988-2014



## **MENTORED SPRING TURKEY**

There were 679 Mentored Spring Turkey licenses sold in South Dakota for the 2014 season. All were single tag licenses valid for a male turkey. A total of 621 mentors/hunters were surveyed and 402 responses (65%) were received. Surveys were only sent via email and no corrections were made for nonresponse bias.

The 2014 spring season ran from April 5 through May 18. Respondents reported hunting an average of 2.30 days, which projected to a total of 1,562 recreation days for the season.

An estimated 211 male turkeys were harvested, resulting in a success rate for this season of 31%. The mean satisfaction score reported by hunters/mentors was 5.54 (1 representing "very dissatisfied" and 7 representing "very satisfied").

The six units with the highest reported harvest were the Black Hills, Gregory, Charles Mix/Douglas, Yankton, Meade/Pennington, and Marshall/Roberts.

### Summary of the 2009-2014 Spring Mentored Youth Turkey Seasons

YEAR	Licenses	HARVEST				Avg Days	Average
	Sold	Males	Hens	Total	%Success	Hunted	Satisfaction
2009	422	171	0	171	41%	2.88	5.81
2010	535	228	0	228	43%	3.14	5.83
2011	601	210	0	210	35%	2.60	5.63
2012	559	205	0	205	37%	2.36	5.75
2013	642	190	2	192	30%	2.32	5.71
2014	679	211	0	211	31%	2.30	5.54

## **2014 Mentored Spring Turkey Harvest Projection**

Last Revised:  
19-Aug-14

Unit/Type	Licenses		Response Rate	Unit/ Subunit Success	Harvest Projections				Average Days Hunted	Mean Satisfctn Score
	Resident	Sold			Toms	Jakes	Hens	Total Harvest		
ST1-32	Unlim	679	65%	31%	171	41	0	211	2.30	5.54

Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

## 2014 Spring Ment Youth Turkey Harvest Distribution

Last Revised:  
19-Aug-14

County	Reported Harvest				Projected Harvest				
	Toms	Jakes	Hens	Total	Toms	Jakes	Hens	Total	%
01A (Minnehaha)	3	1	0	4	5	2	0	7	3.2%
02A (Pennington-East)	2	0	0	2	3	0	0	3	1.6%
06A (Brookings)	1	0	0	1	2	0	0	2	0.8%
07A (Yankton)	5	2	0	7	8	3	0	12	5.6%
08A (Davison/Hanson)	2	0	0	2	3	0	0	3	1.6%
11A (Bennett)	0	0	0	0	0	0	0	0	0.0%
12A (Bon Homme)	1	0	0	1	2	0	0	2	0.8%
13A (Brule)	0	1	0	1	0	2	0	2	0.8%
15A (Butte/Lawrence)	5	0	0	5	8	0	0	8	4.0%
17A (Charles Mix/Douglas)	7	3	0	10	12	5	0	17	8.0%
19A (Clay)	2	1	0	3	3	2	0	5	2.4%
20A (Corson)	0	0	0	0	0	0	0	0	0.0%
21A (Custer/Penn-Mid)	2	2	0	4	3	3	0	7	3.2%
22A (Day/Codington)	2	2	0	4	3	3	0	7	3.2%
23A (Deuel)	4	1	0	5	7	2	0	8	4.0%
24A (Dewey/Ziebach)	3	1	0	4	5	2	0	7	3.2%
27A (Fall River)	0	1	0	1	0	2	0	2	0.8%
29A (Grant)	2	4	0	6	3	7	0	10	4.8%
30A (Gregory)	13	0	0	13	22	0	0	22	10.4%
31A (Haakon)	0	0	0	0	0	0	0	0	0.0%
35A (Harding)	0	0	0	0	0	0	0	0	0.0%
36A (Hughes)	1	0	0	1	2	0	0	2	0.8%
37A (Hutchinson)	0	0	0	0	0	0	0	0	0.0%
39A (Jackson)	0	0	0	0	0	0	0	0	0.0%
40A (Jerauld)	0	0	0	0	0	0	0	0	0.0%
41A (Jones)	0	0	0	0	0	0	0	0	0.0%
44A (Lincoln)	2	2	0	4	3	3	0	7	3.2%
45A (Lyman)	0	0	0	0	0	0	0	0	0.0%
48A (Marshall/Roberts)	8	0	0	8	14	0	0	14	6.4%
49A (Meade/Pennington)	7	0	0	7	12	0	0	12	5.6%
50A (Mellette)	1	0	0	1	2	0	0	2	0.8%
52A (Moody)	1	0	0	1	2	0	0	2	0.8%
53A (Perkins)	0	0	0	0	0	0	0	0	0.0%
56A (Sanborn)	1	0	0	1	2	0	0	2	0.8%
58A (Stanley)	3	1	0	4	5	2	0	7	3.2%
60A (Tripp)	3	1	0	4	5	2	0	7	3.2%
61A (Turner)	1	0	0	1	2	0	0	2	0.8%
62A (Union)	2	0	0	2	3	0	0	3	1.6%
65A (Shannon)	0	0	0	0	0	0	0	0	0.0%
67A (Todd)	0	0	0	0	0	0	0	0	0.0%
BH1 (Black Hills)	17	1	0	18	29	2	0	30	14.4%
Unknown	0	0	0	0					
<b>TOTALS</b>	<b>101</b>	<b>24</b>	<b>0</b>	<b>125</b>	<b>171</b>	<b>41</b>	<b>0</b>	<b>211</b>	

Any by unit projected values will differ from by statewide projected values due to incorrect sampling proportions within management units.  
Use these figures for approximations only!

# **SPRING CUSTER STATE PARK TURKEY**

In 2014, 561 hunters applied for the 135 resident licenses available for the Spring Custer State Park Turkey season, which was open from April 12 through May 18. All licenses consisted of single tags for male turkeys only.

All hunters were surveyed and 125 responded for a response rate of 93%. Surveys were sent via email and regular mail. The reported success rate was 58% and the projected harvest was 78 male turkeys. Hunters averaged 2.71 days of hunting for a projected total of 366 days of recreation for the season.

Summary comparison of the 2004-2014 Custer State Park Spring Turkey seasons

<i>Year</i>	<i>Licenses Sold</i>	<i>Harvest</i>	<i>Success</i>	<i>Avg. Days Hunted</i>	<i>Average Satisfaction</i>
2004	100	52*	52%*	1.98	NA
2005	100	47*	47%*	1.73	NA
2006	100	47	47%	2.20	NA
2007	125	71	57%	2.50	NA
2008	135	75	56%	1.80	NA
2009	135	80	59%	2.20	NA
2010	135	78	58%	2.10	NA
2011	135	59	44%	3.00	NA
2012	135	64	47%	2.24	5.57
2013	135	57	43%	2.18	5.77
2014	135	78	58%	2.71	5.56

\*Harvest and success for 2003-2005 were estimated assuming all nonrespondents were unsuccessful.

## **2014 Custer State Park Spring Turkey Harvest**

Last Revised:

19-Aug-14

Unit/Type	Licenses		Response Rate	Unit/ Subunit Success	Harvest Projections			Average Days Hunted	Mean Satisfctn Score
	Avail.	Sold			Toms	Jakes	Total Harvest		
CU1-32	135	135	93%	58%	76	2	78	2.71	5.56

Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

## **FALL PRAIRIE TURKEY**

There were 1,910 licenses (1,751 resident, 159 nonresident) sold for the 2014 South Dakota Fall Prairie Turkey season for a total of 1,960 tags. All tags were valid for either a tom or a hen. The fall season ran from November 1 through January 31.

A random sample of 1,455 hunters were surveyed and 1,164 responded for an 80% response rate. Approximately 59% of responding hunters used the Internet to respond. Respondents reported hunting an average of 2.26 days, which projected to a total of 3,953 recreation days for the season.

Harvest projections indicated 422 males were taken along with 224 hens for a total of 645 turkeys. The estimated success rate for the season was 33%. Approximately 58% of the West River Unit harvest occurred in November, 24% in December, and 19% in January. In the rest of the prairie units, 35% of harvest occurred in November, 32% in December, and 33% in January.

The five turkey management units in the West River unit with the highest reported harvests were Gregory, Tripp, Mellette, Perkins, and Lyman.

The mean satisfaction score reported by hunters was 4.91 (1 representing "very dissatisfied" and 7 representing "very satisfied").

Summary comparison of the 2005-2014 Fall Prairie Turkey seasons

Year	Licenses	Tags	HARVEST				Avg Days	Average
	Sold	Sold	Males	Hens	Total	% Success	Hunted	Satisfactn
2005	4,105	6,196	1,788	1,384	3,172	51%	2.60	5.62
2006	5,055	6,949	1,645	1,442	3,087	44%	3.15	5.02
2007	5,614	8,764	2,315	1,879	4,194	48%	3.07	5.22
2008	5,996	9,593	2,606	1,949	4,556	47%	2.86	5.43
2009	5,876	10,191	2,335	2,002	4,337	43%	2.92	5.22
2010	5,995	11,276	3,019	2,419	5,438	48%	2.87	5.36
2011	5,649	10,662	2,497	1,838	4,335	41%	3.15	5.13
2012	5,527	9,510	2,001	1,335	3,337	35%	2.91	5.12
2013	5,066	8,638	1,180	721	1,901	22%	2.68	4.76
2014	1,910	1,960	422	224	645	33%	2.26	4.91

### 2014 Fall Prairie Turkey Harvest Projections

Last Revised: 07-May-15		Licenses																Avg Days	Mean Satisfctn	
		Resident				Nonresident				Harvest Projections										
		Appl. 1st			Sold	Appl. 1st			Tags	Response	Tag	Success	Males			Hens				Total
		Hunters	Choice *	Avail.		Choice *	Avail.	Sold					Adults	Jakes	Adults	Jennies	Unk			
Unit	Hunters	Choice *	Avail.	Sold	Choice *	Avail.	Sold	Sold	Rate	Success	Adults	Jakes	Adults	Jennies	Unk	Harvest	Hunted	Score		
Bon Homme	176	137	200	199	N/A	0	0	199	81%	34%	11	20	30	2	5	68	2.3	5.2		
Brule	32	12	75	35	N/A	0	1	36	72%	23%	6	1	1	0	0	8	2.3	4.3		
Charles Mix/Douglas	196	161	200	199	N/A	0	0	199	78%	24%	28	8	8	4	1	49	2.3	4.8		
Clay	50	68	50	50	N/A	0	0	50	80%	13%	4	3	0	0	0	6	3.1	4.5		
Davison/Hanson	50	73	50	50	N/A	0	0	100	84%	17%	10	1	5	1	0	17	2.2	4.8		
Hughes	25	11	30	22	N/A	0	5	27	80%	42%	3	4	5	0	0	11	2.8	4.9		
Hutchinson	30	44	30	30	N/A	0	0	30	80%	46%	5	6	3	0	0	14	3.1	5.1		
Union	100	108	50	100	N/A	0	0	100	86%	24%	12	6	2	2	2	24	2.7	5.0		
Yankton	100	121	100	100	N/A	0	0	100	79%	27%	14	8	5	0	0	27	2.9	5.2		
West River Unit	990	467	Unltd	966	85	Unltd	153	1,119	80%	38%	178	96	103	18	25	421	2.0	4.9		
Totals	1,749	1,202	785	1,751	85	0	159	1,960	80.0%	32.9%	270	152	162	28	34	645	2.26	4.91		

The response rate for all units combined was: 80%

\* Number of 1st drawing applicants with that season as 1st choice.

## 2014 Fall WR Unit Turkey Harvest Distribution

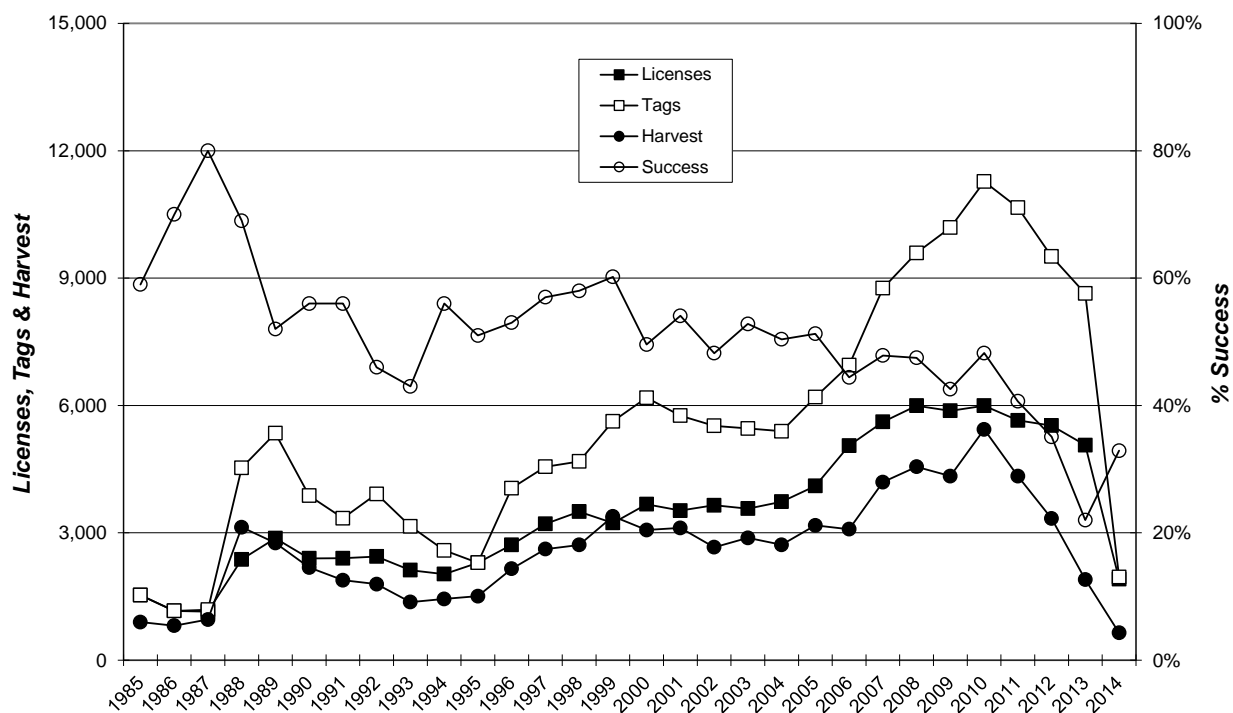
Last Revised:  
07-May-15

Last Revised:  
07-May-15

County	Reported Harvest						Projected Harvest							
	Males			Females			Males				Females			
	Toms	Jakes	Hens	Jennies	Unk Hens	Total	Toms	Jakes	Hens	Jennies	Unk Hens	Total	%	
15A (Butte/Lawrence)	7	3	5	0	4	19	14	6	10	0	7	37	8.8%	
24A (Dewey)	5	1	5	2	0	13	10	2	10	4	0	26	6.1%	
30A (Gregory)	24	13	10	6	0	53	49	25	20	12	0	105	25.0%	
41A (Jones)	4	1	0	0	0	5	8	2	0	0	0	10	2.4%	
45A (Lyman)	8	9	3	1	2	23	16	17	6	2	4	45	10.6%	
50A (Mellette)	14	4	5	0	2	25	29	8	10	0	4	50	11.8%	
53A (Perkins)	11	6	4	0	2	23	23	11	8	0	4	45	10.8%	
58A (Stanley)	3	2	1	0	1	7	6	4	2	0	2	14	3.2%	
60A (Tripp)	8	8	12	0	2	30	16	15	23	0	4	59	13.9%	
67A (Todd)	3	4	8	0	1	16	6	8	16	0	2	31	7.4%	
Unknown	13	3	5	1	0	22								
TOTALS	100	54	58	10	14	236	178	96	103	18	25	421		

Any by unit projected harvest values will differ from by statewide projected harvest values due to incorrect sampling proportions within management units.  
Use these figures for approximations only!

## Fall Prairie Turkey 1985-2014



## **FALL BLACK HILLS TURKEY**

There were 810 Fall Black Hills Turkey licenses (764 resident, 46 nonresident) sold in South Dakota for the 2014 season. All were single tag licenses valid for either a tom or a hen. The fall season ran from November 1 through January 31.

Of the 497 license-holders that were surveyed, 384 responded for a 77% response rate. Approximately 71% of responding hunters used the Internet to respond. Respondents reported hunting an average of 3.24 days, which projected to a total of 2,453 recreation days for the season.

An estimated 100 males were harvested along with 114 hens, a total of 215 turkeys. The overall estimated success rate for the season was 27%. Approximately 68% of the harvest occurred in November, 20% in December, and 12% in January.

The mean satisfaction score reported by hunters was 4.54 (1 representing "very dissatisfied" and 7 representing "very satisfied").

### Summary comparison of the 2005-2014 Fall Black Hills Turkey seasons

YEAR	LICENSES SOLD		HARVEST				Avg Days	Average
	Resident	Nonresid	Males	Hens	Total	%Success	Hunted	Satisfaction
2005	1,312	83	321	399	720	52%	2.51	6.04
2006	3,081	159	681	962	1,643	51%	3.50	5.34
2007	3,641	138	1,130	1,039	2,169	57%	3.24	5.49
2008	4,155	164	806	1,179	1,986	46%	3.39	5.40
2009	3,506	140	658	711	1,369	38%	3.77	4.78
2010	3,198	114	907	646	1,553	47%	3.05	5.22
2011	2,977	121	537	513	1,050	34%	3.89	4.85
2012	2,075	90	457	470	927	43%	3.39	4.95
2013	1,546	81	185	188	373	23%	2.81	4.57
2014	764	46	100	114	215	27%	3.24	4.54

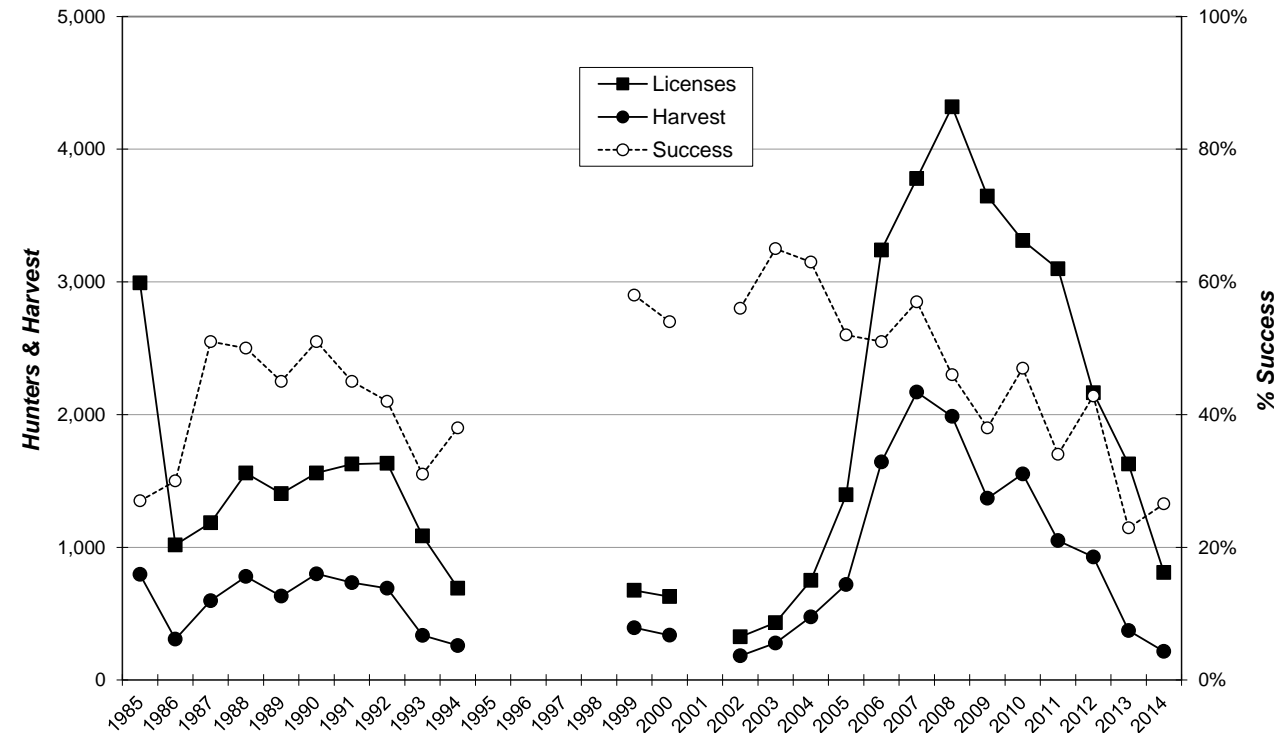
### 2014 Fall Black Hills Turkey Harvest Projections

Last Revised:		Licenses																	
07-May-15		Resident				Nonresident				Response	Tag	Harvest Projections					Total	Average	Mean
Unit/Type	Hunters	Appl. 1st			Choice *	Appl. 1st			Males			Hens							
		Choice *	Avail.	Sold		Choice *	Avail.	Sold	Adults			Jakes	Adults	Jennies	Unk				
BH1-31	757	564	750	764	37	60	46	77%	27%	61	39	104	6	4	215	3.24	4.54		

\* Number of 1st drawing applicants with that season as 1st choice.

\* Number of 1st drawing applicants with that season as 1st choice.

Black Hills Fall Turkey 1985-2014



## **FALL MENTORED YOUTH TURKEY**

There were 390 Fall Mentored Youth Turkey licenses sold in South Dakota for the 2014 season. All were single tag licenses valid for either a tom or a hen. All mentors/hunters were surveyed and 298 responses (76%) were received. Approximately 61% of responding mentors/hunters used the Internet to respond.

The fall season ran from November 1 through January 31. Respondents reported hunting an average of 1.72 days, which projected to a total of 671 recreation days for the season.

An estimated 46 males were harvested along with 29 hens, a total of 75 turkeys. The reported success rate for this season was 19%. The mean satisfaction score reported by hunters/mentors was 5.19 (1 representing "very dissatisfied" and 7 representing "very satisfied").

The five management units with the highest reported harvest were the Black Hills, Union, Bon Homme, Gregory, and Charles Mix/Douglas.

### Summary comparison of the 2008-2014 Fall Mentored Youth Turkey seasons

YEAR	Licenses	HARVEST				Avg Days	Average
	Sold	Males	Hens	Total	%Success	Hunted	Satisfaction
2008	236	59	43	101	43%	2.75	5.91
2009	353	65	45	110	31%	2.63	5.55
2010	423	88	68	156	37%	1.91	5.59
2011	442	65	51	116	26%	2.24	5.34
2012	529	89	61	149	28%	2.33	5.56
2013	520	57	35	92	18%	2.02	5.41
2014	390	46	29	75	19%	1.72	5.19

## **2014 Fall Mentored Youth Turkey Harvest Projections**

Last Revised:

07-May-15

Unit/Type		Licenses		Response Rate	Tag Success	Harvest Projections					Average Days Hunted	Mean Satisfaction Score	
		Resident				Males		Hens		Total Harvest			
		Avail.	Sold			Adults	Jakes	Adults	Jennies				Unk
ST1-31	389	Unlim	390	76%	19%	30	16	20	5	4	75	1.72	5.19

## 2014 Fall Mentored Youth Turkey Harvest Distribution

Last Revised:  
07-May-15

County	Reported Harvest						Projected Harvest							Total	%
	Males			Females			Males			Females					
	Toms	Jakes	Hens	Jennies	Unk	Hens	Toms	Jakes	Hens	Jennies	Unk	Hens			
01A (Minnehaha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
02A (Pennington-East)	0	0	0	1	0	1	0	0	0	2	0	0	2	2.3%	
06A (Brookings)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
07A (Yankton)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
08AB (Davison/Hanson)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
11A (Bennett)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
12A (Bon Homme)	1	1	3	0	0	5	2	1	5	0	0	0	8	10.1%	
13A (Brule)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
15A (Butte/Lawrence)	0	2	0	0	0	2	0	3	0	0	0	0	3	3.5%	
17A (Charles Mix/Douglas)	1	2	1	0	0	4	2	3	2	0	0	0	6	7.8%	
19AB (Clay)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
20A (Corson)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
21A (Custer/Penn-Mid)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
22A (Day/Codington)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
23A (Deuel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
24A (Dewey/Ziebach)	1	0	0	0	0	1	2	0	0	0	0	0	2	2.2%	
27A (Fall River)	0	0	1	0	0	1	0	0	2	0	0	0	2	2.0%	
29A (Grant)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
30A (Gregory)	1	2	1	0	1	5	2	3	2	0	1	0	7	9.5%	
31A (Haakon)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
32A (Hamlin)	1	0	0	0	0	1	2	0	0	0	0	0	2	2.2%	
35A (Harding)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
36A (Hughes)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
37A (Hutchinson)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
39A (Jackson)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
40A (Jerauld)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
41A (Jones)	2	0	0	0	0	2	3	0	0	0	0	0	3	4.5%	
44AB (Lincoln)	1	0	0	0	0	1	2	0	0	0	0	0	2	2.2%	
45A (Lyman)	0	1	0	0	1	2	0	1	0	0	1	0	3	3.5%	
48A (Marshall/Roberts)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
49A (Meade/Pennington)	1	0	0	0	0	1	2	0	0	0	0	0	2	2.2%	
50A (Mellette)	1	0	0	1	0	2	2	0	0	2	0	0	3	4.6%	
52A (Moody)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
53A (Perkins)	1	1	0	0	0	2	2	1	0	0	0	0	3	4.0%	
56A (Sanborn)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
58A (Stanley)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
60A (Tripp)	1	0	0	0	0	1	2	0	0	0	0	0	2	2.2%	
61A (Turner)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
62AB (Union)	2	1	2	0	0	5	3	1	3	0	0	0	8	10.3%	
65A (Shannon)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
67A (Todd)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
BH1 (Black Hills)	4	2	5	1	1	13	7	3	8	2	1	0	20	26.7%	
Unknown	5	0	2	1	0	8									
TOTALS	23	12	15	4	3	57	30	16	20	5	4	0	75		

Any by unit projected harvest values will differ from by statewide projected harvest values due to incorrect sampling proportions within management units.

Use these figures for approximations only!

# ARCHERY ANTELOPE

There were 1,519 single-tag archery antelope licenses issued in 2014 (1,165 resident and 354 nonresident). All license holders were surveyed and the response rate was 65%, with 76% of hunters responding over the Internet.

The overall success rate for the archery season was estimated to be 25%, with 344 bucks, 26 does, 12 buck-kids, and 2 doe-kids harvested. The archery season ran from August 16 through October 31, except when and where a state firearm antelope season was open. Of the 23 management units where antelope were reported harvested, the Harding and Butte County units accounted for just under 52% of all harvest.

Average hunter satisfaction was 5.19 and was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied), 4 being neutral.

## 2014 Archery Antelope Harvest Projections

Last Revised: 1/9/2015

Last Revised: 1/9/2015								Harvest Projections					Avg	Avg
Unit/Type	Resident		Nonres		Tags sold	Response Rate	Unit Success	Buck			Doe	Total	Satisfactn	Days
	Avail.	Sold	Avail.	Sold				Bucks	Does	Kids	Kids	Harvest	Rating	Hunted
ST1-41	Unlmted	1,165	Unlmted	354	1,519	65%	25%	344	26	12	2	385	5.19	3.94

Satisfaction is based on a scale of 1-7, where "1" is very dissatisfied, "4" is neutral and "7" is very satisfied.

Harvest summaries for the 2005-2014 Archery Antelope seasons

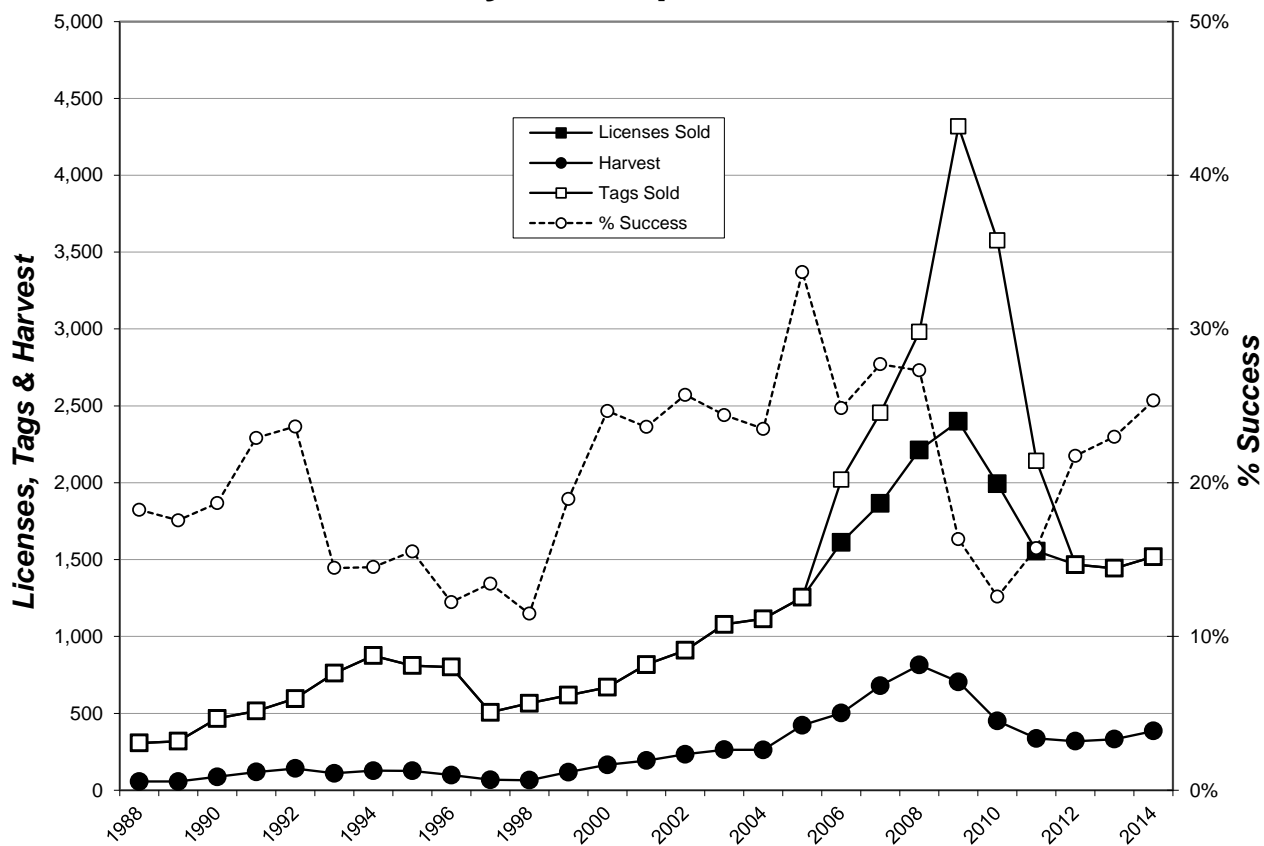
YEAR	Licenses Sold		Harvest		Success	Avg. Days Hunted	Average Satisfaction
	Resident	Nonresident	Bucks	Does			
2005	993	262	391	32	34%	4.31	5.72
2006	1,200	412	412	79	25%	4.52	5.46
2007	1,332	533	572	108	28%	4.25	5.40
2008	1,599	614	657	157	27%	4.42	5.48
2009	1,713	686	516	189	16%	4.47	4.75
2010	1,490	503	363	87	13%	4.13	4.63
2011	1,246	309	281	56	16%	4.18	4.48
2012	1,212	255	297	22	22%	3.80	4.74
2013	1,164	280	292	38	23%	3.77	4.97
2014	1,165	354	356	28	25%	3.94	5.19

## 2014 Archery Antelope Harvest by Management Unit

Unit/County	Reported Harvest					Projected Harvest					
	Adults		Fawns		Total	Adults		Fawns		Total	
	Buck	Doe	Buck	Doe		Buck	Doe	Buck	Doe	Projected	%
02A (Pennington E)	5	1	0	0	6	8	2	0	0	9	2.5%
11A (Bennett/Shannon)	0	0	0	0	0	0	0	0	0	0	0.0%
13 (Brule)	0	0	0	0	0	0	0	0	0	0	0.0%
14 (Buffalo)	5	0	1	0	6	8	0	2	0	9	2.4%
15A (Butte NW)	21	3	1	0	25	33	5	2	0	39	10.2%
15B (Butte/Lawrence)	17	2	1	0	20	27	3	2	0	31	8.2%
16 (Campbell)	1	0	0	0	1	2	0	0	0	2	0.4%
20A (Corson)	2	0	0	0	2	3	0	0	0	3	0.8%
21A (Custer E /Penn C)	9	0	0	0	9	14	0	0	0	14	3.7%
24A (Dewey)	0	0	0	0	0	0	0	0	0	0	0.0%
27A (F River/Custer SW)	22	3	1	0	26	34	5	2	0	41	10.6%
31A (Haakon)	1	0	0	0	1	2	0	0	0	2	0.4%
33 (Hand)	0	0	0	0	0	0	0	0	0	0	0.0%
35A (Harding W)	57	3	2	1	63	89	5	3	2	99	25.7%
35B (Harding E)	16	2	1	0	19	25	3	2	0	30	7.8%
36A (Hughes/Hyde)	5	0	0	0	5	8	0	0	0	8	2.0%
39A (Jackson)	1	0	0	0	1	2	0	0	0	2	0.4%
41A (Jones)	1	0	0	0	1	2	0	0	0	2	0.4%
45A (Lyman)	0	0	0	0	0	0	0	0	0	0	0.0%
45B (Ft Pr Nat GrsInd)	0	0	0	0	0	0	0	0	0	0	0.0%
49A (Meade N)	15	0	0	0	15	23	0	0	0	23	6.1%
49B (Meade S)	7	0	0	0	7	11	0	0	0	11	2.8%
50A (Mellette)	1	0	1	0	2	2	0	2	0	3	0.8%
53A (Perkins N)	7	0	0	0	7	11	0	0	0	11	2.8%
53B (Perkins S)	17	2	0	0	19	27	3	0	0	30	7.8%
58A (Stanley)	1	0	0	0	1	2	0	0	0	2	0.4%
59A (Sully)	3	0	0	0	3	5	0	0	0	5	1.2%
60A (Tripp)	0	0	0	0	0	0	0	0	0	0	0.0%
63A (Walworth/Potter)	2	0	0	0	2	3	0	0	0	3	0.8%
64A (Ziebach)	4	0	0	0	4	6	0	0	0	6	1.6%
BH (Black Hills Pennington/Custer)	0	0	0	0	0	0	0	0	0	0	0.0%
Unknown	2	1	0	0	3						
<b>TOTALS</b>	<b>222</b>	<b>17</b>	<b>8</b>	<b>1</b>	<b>248</b>	<b>344</b>	<b>26</b>	<b>12</b>	<b>2</b>	<b>385</b>	

Use these figures for approximations only!

## Archery Antelope 1988-2014



## **FIREARM ANTELOPE**

A total of 2,766 licenses (2,705 resident; 61 nonresident) were available for the 2014 Firearm Antelope hunting season. Including Landowner Own Land licenses, a total of 3,052 licenses were sold representing 3,176 total tags. The 2014 season was open 16 days from October 4 - 19.

A random sample of 2,666 hunters was taken from total license sales and 2,134 surveys were returned for an 80% response rate. Approximately 73% of responses were received through the Internet.

Respondents reported hunting an average of 1.99 days each, which projected to 6,074 total recreation days for the season. Of those responding, 7.5% reported they did not hunt at all.

The harvest projection for the season was 1,711 adult bucks, 289 adult does, 59 buck-kids, and 25 doe-kids for a total of 2,083 antelope. The projected overall success for the season was 66%.

### Harvest summaries for the 2005-2014 Firearm Antelope seasons

<b>YEAR</b>	<b>Licenses Sold</b>		<b>Harvest</b>				<b>Avg. Days Hunted</b>	<b>Average Satisfaction</b>
	<b>Resident</b>	<b>Nonres</b>	<b>Bucks</b>	<b>Does</b>	<b>Total</b>	<b>Success</b>		
2005	7,150	659	4,633	4,188	8,821	64%	1.82	5.62
2006	8,540	812	6,213	5,586	11,799	67%	2.08	5.08
2007	10,174	1,070	7,123	6,546	13,669	62%	2.23	5.28
2008	11,443	1,390	7,542	9,514	17,056	50%	2.43	5.11
2009	11,109	1,342	6,495	7,605	14,100	44%	2.36	4.50
2010	8,806	969	3,932	5,017	8,949	49%	2.49	4.69
2011	5,752	457	2,523	1,971	4,493	50%	2.18	4.54
2012	3,965	0	1,695	942	2,637	53%	2.05	4.79
2013	3,467	0	1,454	480	1,935	48%	1.76	4.72
2014	2,991	61	1,770	314	2,083	66%	1.99	5.12

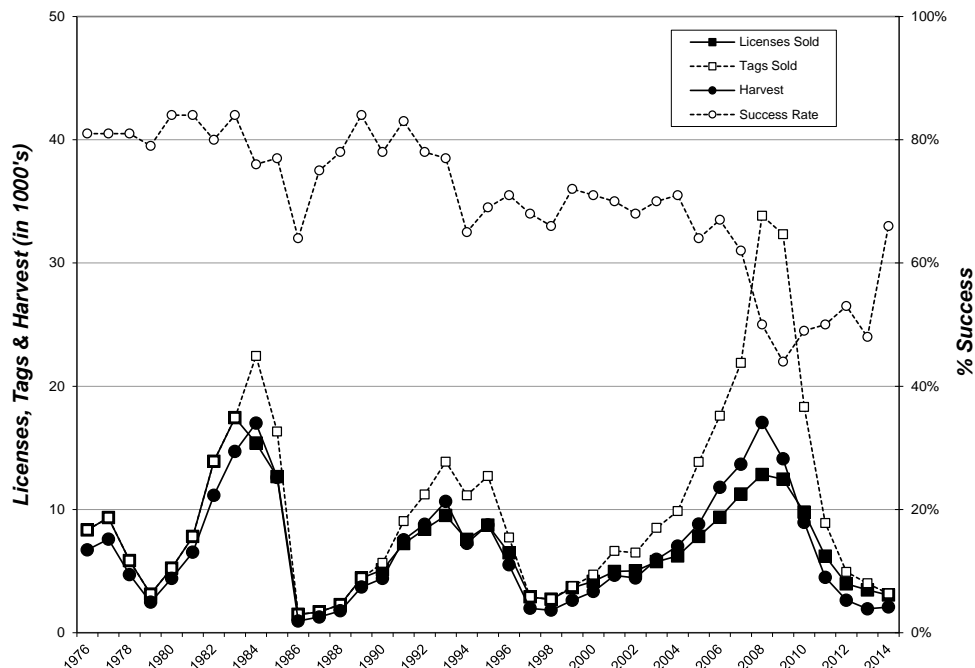
## 2014 Firearm Antelope Harvest Projections

Last Revised:  
01/12/2015

Last Revised: 01/12/2015			Residents			Nonresidents				Harvest Projections							Mean	Avg	
			Appl. 1st		Sold	Appl. 1st		Tags	Response	Unit/Subunit	Adults		Kids		Total	Satisf	Days		
Unit Description	Unit	Type	Choice *	Available		Choice *	Available				Sold	Sold	Rate	Success	Bucks	Does	Bucks	Does	Harvest
Butte NW	15A	41	364	150	151	9	3	3	154	82%	65%	73	20	6	1	101	+/-6	5.37	1.71
Butte/Lawrence	15B	41	520	200	205	13	4	4	209	87%	69%	107	32	5	0	145	+/-7	5.26	2.03
Harding W	35A	41	556	200	199	64	4	4	203	83%	79%	147	10	3	1	160	+/-7	5.65	1.58
Harding E	35B	41	355	150	151	30	3	3	154	88%	75%	106	10	0	0	116	+/-4	5.13	1.81
Meade N	49A	41	584	400	403	43	8	8	411	81%	69%	232	36	10	8	285	+/-17	5.27	1.78
Meade S	49B	41	265	200	198	8	4	4	202	82%	63%	100	18	8	0	127	+/-8	5.16	2.27
Perkins N	53A	41	155	50	50	9	1	1	51	88%	76%	36	2	0	0	39	+/-2	5.55	1.58
Perkins S	53B	41	292	100	99	20	2	2	101	78%	82%	82	1	0	0	83	+/-4	5.22	1.69
Pennington E	02A	41	305	150	150	13	3	3	153	80%	57%	68	15	1	4	88	+/-6	4.45	2.24
Bennett/Shannon	11A	41	108	50	52	2	1	1	53	70%	57%	23	3	3	1	30	+/-5	4.58	1.68
Corson	20A	41	88	40	41	3	1	1	42	78%	81%	25	7	3	0	34	+/-3	4.65	2.34
Custer E /Penn C	21A	41	303	125	126	2	3	3	129	80%	66%	66	13	3	4	85	+/-5	4.87	2.14
Dewey	24A	41	45	30	30	1	1	1	31	71%	73%	18	3	0	1	23	+/-3	5.48	1.64
F River/Custer SW	27A	41	1,455	400	403	54	8	8	411	81%	71%	249	37	8	0	293	+/-17	5.23	1.95
Haakon	31A	41	177	100	100	5	2	2	102	77%	58%	49	10	0	0	59	+/-5	4.61	2.18
Hughes/Hyde	36A	41	80	40	40	1	1	1	41	78%	66%	24	3	0	0	27	+/-3	5.48	2.13
Jackson	39A	41	150	50	54	5	1	1	55	89%	73%	38	1	0	1	40	+/-2	5.16	2.06
Jones	41A	41	54	20	20	0	1	1	21	75%	73%	15	0	0	0	15	+/-2	4.79	2.60
Lyman	45A	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Ft Pr Nat Grslnd	45B	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Mellette	50A	41	59	20	20	2	1	1	21	81%	47%	6	4	0	0	10	+/-2	4.50	1.82
Stanley	58A	41	71	60	60	1	2	2	62	79%	51%	25	5	1	0	32	+/-4	4.72	1.92
Sully	59A	41	85	30	31	0	2	2	33	69%	55%	15	2	2	0	18	+/-4	5.77	2.64
	59A	43	2	10	10	1	1	1	11	73%	50%	0	6	0	0	6	+/-2	4.63	2.75
Tripp	60A	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Walworth/Potter	63A	41	59	20	20	0	1	1	21	86%	56%	11	1	0	0	12	+/-2	4.56	2.17
	63A	43	3	10	10	1	1	1	11	91%	60%	0	6	0	1	7	+/-0	4.50	2.40
Ziebach	64A	41	130	100	100	9	2	2	102	78%	65%	59	8	0	0	66	+/-5	4.89	2.04
Landowner Own Land	ST1	41	NA	Unltd	144	NA	0	0	144	76%	53%	65	10	0	0	76	+/-7	4.64	2.31
	ST1	48	NA	Unltd	124	NA	0	0	248	60%	43%	71	27	7	2	107	+/-18	4.89	2.36
Totals			6,265	2,705	2,991	296	61	61	3,176	80.0%	66%	1,711	289	59	25	2,083	+/-150	5.12	1.99

\* Number of 1st drawing applicants with that season as 1st choice.

## Firearm Antelope 1976-2014



## 2014 Antelope LOL Harvest Distribution

Last Revised:

12-Jan-15

County		Reported Harvest					Projected Harvest					Total	
		Bucks	Does	Buck kids	Doe kids	Total	Bucks	Does	Buck kids	Doe kids		Projected	%
Pennington E	02A	2	1	0	0	3	3	2	0	0		5	2.5%
Bennett/Shannon	11A	0	0	0	0	0	0	0	0	0		0	0.0%
Butte NW	15A	3	0	0	0	3	5	0	0	0		5	2.5%
Butte/Lawrence	15B	9	2	0	0	11	14	3	0	0		17	9.2%
Corson	20A	2	0	0	0	2	3	0	0	0		3	1.7%
Custer E /Penn C	21A	2	0	0	0	2	3	0	0	0		3	1.7%
Dewey	24A	2	0	0	0	2	3	0	0	0		3	1.7%
F River/Custer SW	27A	3	4	0	0	7	5	6	0	0		11	5.9%
Haakon	31A	7	0	1	0	8	11	0	2	0		12	6.7%
Harding W	35A	2	2	0	0	4	3	3	0	0		6	3.4%
Harding E	35B	2	0	0	0	2	3	0	0	0		3	1.7%
Hughes/Hyde	36A	0	0	0	0	0	0	0	0	0		0	0.0%
Jackson	39A	7	3	0	0	10	11	5	0	0		15	8.4%
Jones	41A	2	0	0	0	2	3	0	0	0		3	1.7%
Lyman	45A	3	1	0	0	4	5	2	0	0		6	3.4%
Ft Pr Nat Grslnd	45B	0	0	0	0	0	0	0	0	0		0	0.0%
Meade N	49A	13	7	0	0	20	20	11	0	0		31	16.8%
Meade S	49B	8	3	0	0	11	12	5	0	0		17	9.2%
Mellette	50A	1	0	0	0	1	2	0	0	0		2	0.8%
Perkins N	53A	6	0	0	0	6	9	0	0	0		9	5.0%
Perkins S	53B	4	1	1	0	6	6	2	2	0		9	5.1%
Stanley	58A	1	0	0	0	1	2	0	0	0		2	0.8%
Sully	59A	1	0	1	0	2	2	0	2	0		3	1.8%
Tripp	60A	0	0	0	0	0	0	0	0	0		0	0.0%
Walworth/Potter	63A	3	0	1	0	4	5	0	2	0		6	3.4%
Ziebach	64A	7	0	0	0	7	11	0	0	0		11	5.8%
Unknown		2	0	0	1	3							
<b>TOTALS</b>		<b>92</b>	<b>24</b>	<b>4</b>	<b>1</b>	<b>121</b>	<b>137</b>	<b>38</b>	<b>7</b>	<b>0</b>		<b>181</b>	

Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties.

Use these figures for approximations only!

## **MENTORED YOUTH ANTELOPE**

There were 361 resident single-tag doe/kid licenses issued for the 2014 Mentored Youth Antelope hunting season. All mentors/hunters were sampled and 250 responses (69%) were received to a combination of electronic and paper surveys.

The Mentored Youth licenses were valid during the Archery and Firearm Antelope seasons. The Archery season ran from August 16 through October 31, except when and where a state firearm antelope season was open. The Firearm Antelope season was open 16 days from October 4-19.

Respondents reported hunting an average of 1.58 days each, which projected to 271 recreation days for the season.

Projections for the season estimated that a total of 16 buck kids, 126 doe adults and 22 doe kids were harvested. The estimated total harvest for the Mentored Youth Antelope season was 163, and the overall success rate was 45%. The five units with the highest reported harvest were Harding W (35A), Butte/Lawrence (15B), Butte NW (15A), Perkins S (53B), and Fall River/Custer SW (27A).

The average satisfaction rating for those responding (1 being very dissatisfied and 7 very satisfied) was 5.58.

### Summary for the 2008-2014 Mentored Youth Antelope hunting seasons

YEAR	Licenses Sold	Harvest				Success	Avg Days Hunted	Average Satisfctn
		Buck Kids	Doe		Total			
			Adults	Kids				
2008	172	10	68	6	84	49%	1.96	5.87
2009	280	12	82	14	107	38%	1.85	4.96
2010	319	16	91	14	121	38%	1.88	5.15
2011	273	17	67	3	87	32%	1.50	5.31
2012	316	15	101	11	128	40%	1.61	5.66
2013	350	14	80	14	108	31%	1.32	5.35
2014	361	16	126	22	163	45%	1.58	5.58

## **2014 Mentored Youth Antelope Harvest Projections**

Last Revised: 14-Jan-14		Harvest Projections							Avg	Avg
Unit/Type	Available	Sold	Response Rate	Unit Success	Adult Does	Doe Kids	Buck Kids	Total Harvest	Satisfctn Score	Days Hunted
ST1-43	Unlimited	361	69%	45%	126	22	16	163	5.58	1.58

Satisfaction is based on a scale of 1-7, where "1" is most dissatisfied, "4" is neutral and "7" is most satisfied.

## 2014 Mentored Antelope Harvest Distribution

Last Revised:

14-Jan-15

Unit	Reported Harvest				Projected Harvest			Total	
	Does	Doe Kids	Buck Kids	Total	Does	Doe Kids	Buck Kids	Projected	%
02A (Pennington E)	5	0	0	5	7	0	0	7	4.5%
11A (Bennett/Shannon)	1	0	0	1	1	0	0	1	0.9%
13 (Brule)	0	0	0	0	0	0	0	0	0.0%
14 (Buffalo)	0	0	0	0	0	0	0	0	0.0%
15A (Butte NW)	4	3	1	8	6	5	2	12	7.4%
15B (Butte/Lawrence)	8	1	2	11	12	2	3	16	10.1%
16 (Campbell)	0	0	0	0	0	0	0	0	0.0%
20A (Corson)	0	0	0	0	0	0	0	0	0.0%
21A (Custer E /Penn C)	5	0	0	5	7	0	0	7	4.5%
24A (Dewey)	2	1	1	4	3	2	2	6	3.7%
27A (F River/Custer SW)	13	2	1	16	19	3	2	24	14.5%
31A (Haakon)	1	0	0	1	1	0	0	1	0.9%
33 (Hand)	0	0	0	0	0	0	0	0	0.0%
35A (Harding W)	11	1	3	15	16	2	5	22	13.7%
35B (Harding E)	4	0	0	4	6	0	0	6	3.6%
36A (Hughes/Hyde)	4	0	0	4	6	0	0	6	3.6%
39A (Jackson)	4	0	0	4	6	0	0	6	3.6%
41A (Jones)	2	0	0	2	3	0	0	3	1.8%
45A (Lyman)	0	0	0	0	0	0	0	0	0.0%
45B (Ft Pr Nat GrsInd)	0	0	0	0	0	0	0	0	0.0%
49A (Meade N)	7	2	0	9	10	3	0	13	8.2%
49B (Meade S)	1	2	0	3	1	3	0	5	2.8%
50A (Mellette)	1	0	0	1	1	0	0	1	0.9%
53A (Perkins N)	2	0	0	2	3	0	0	3	1.8%
53B (Perkins S)	6	0	0	6	9	0	0	9	5.4%
58A (Stanley)	1	1	1	3	1	2	2	5	2.8%
59A (Sully)	1	0	1	2	1	0	2	3	1.9%
60A (Tripp)	0	0	0	0	0	0	0	0	0.0%
63A (Walworth/Potter)	2	1	0	3	3	2	0	4	2.7%
64A (Ziebach)	1	0	0	1	1	0	0	1	0.9%
Unknown	1	1	1	3					
<b>TOTALS</b>	<b>87</b>	<b>15</b>	<b>11</b>	<b>113</b>	<b>126</b>	<b>22</b>	<b>16</b>	<b>163</b>	

Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties.

Use these figures for approximations only!

## **CUSTER STATE PARK ANTELOPE**

The 2014 Custer State Park Antelope season was open October 15-23. A total of 1,086 applications were received for the 3 available licenses. Each license holder received either an electronic or paper survey and all 3 responded, each harvesting a mature buck averaging 2 days of hunting.

Summary comparison of the 2009-2014 seasons

<b>Year</b>	<b>Apps</b>	<b>Licenses</b>	<b>Harvest</b>			<b>Success</b>	<b>Avg. Days Hunted</b>
			<b>Bucks</b>	<b>Does</b>	<b>Total</b>		
2009	1,139	13	2	10	12	92%	1.5
2010	1,201	13	3	8	11	100%	1.6
2011	1,170	3	3	0	3	100%	1.3
2012	916	3	3	0	3	100%	1.3
2013	995	3	3	0	3	100%	1.0
2014	1,086	3	3	0	3	100%	2.0

# ARCHERY ELK

A total of 106 resident licenses were issued for the 2014 Archery Elk season. All license holders were sent a survey at the end of the season and 93 responded for an 88% response rate. Approximately 72% of responding hunters used the Internet.

Respondents reported hunting an average of 11.68 days for a total of 1,238 days of recreation. The projected harvest was 38 bulls and 4 cows for an overall success rate of 40%.

Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 5.61 for the season. Approximately 92% of responding hunters reported hunting on public land, 4% on private land they did not own, and 3% on private land they owned.

Prior to 2002 it was assumed that any hunter that did not report harvesting an elk at the mandatory check-in was unsuccessful, and success was measured by dividing the number of hunters that reported harvesting an elk by the total number of tags issued.

## Summary comparison of the 2005-2014 Archery Elk seasons

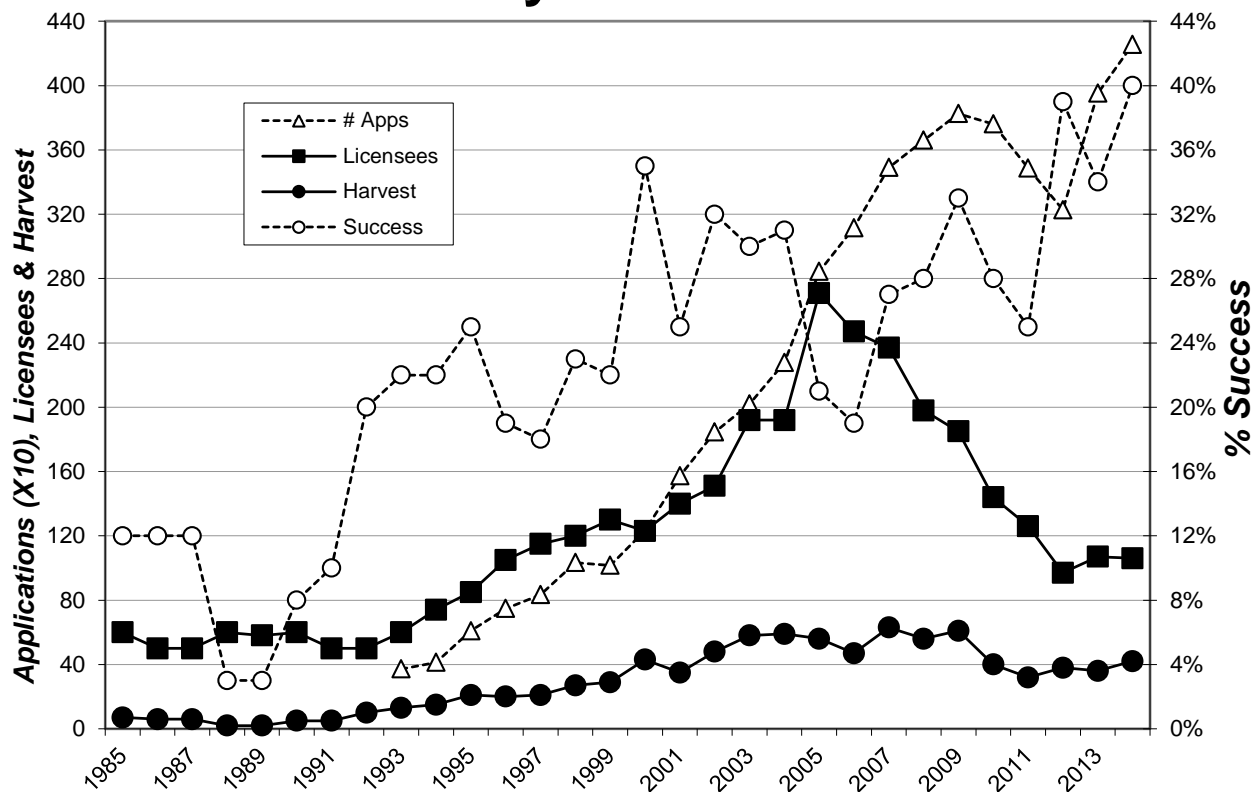
Year	# Apps 1 <sup>st</sup> Choice	Licenses Sold	Harvest			Success Rate	Avg. Days Hunted	Average Satisfaction
			Bulls	Cows	Total			
2005	2,844	267	42	14	56	21%	10.10	5.39
2006	3,116	247	30	17	47	19%	10.00	5.12
2007	3,491	237	41	22	63	27%	10.58	5.27
2008	3,660	202	47	9	56	28%	10.87	5.31
2009	3,826	185	52	9	61	33%	10.29	5.52
2010	3,761	144	34	6	40	28%	11.88	5.16
2011	3,486	126	24	8	32	25%	11.42	5.01
2012	3,228	97	33	4	38	39%	11.94	5.34
2013	3,952	107	33	3	36	34%	11.97	5.59
2014	4,256	106	38	4	42	40%	11.68	5.61

## 2014 Archery Elk Harvest Projections

Last Revised: 26 Feb 2015

Resident Licenses						Harvest Projections						Elk Shot Not Recovered	Avg Satisfctn Score	Avg Days Hunted	Land Hunted Most		
Unit/Type	Appl. 1st Choice *	Avail.	Sold	Resp.	Success	Bulls	Cows	Calves	Calves	Total Elk Harvested	CI (95%)				Public	Own	Other Private
H1A-21	583	20	20	90%	22%	4	0	0	0	4	+/-1	1	5.8	12.0	19	0	1
H1A-23	12	5	5	100%	0%	0	0	0	0	0	+/-0	0	5.0	13.4	5	0	0
H2A-21	3,118	50	50	94%	53%	26	1	0	0	27	+/-2	9	5.7	12.2	48	2	0
H2A-23	24	5	5	40%	50%	0	3	0	0	3	+/-3	0	7.0	4.5	5	0	0
H3A-21	386	15	14	100%	43%	5	0	1	0	6	+/-0	2	5.3	10.1	10	1	3
H3A-23	8	5	5	40%	0%	0	0	0	0	0	+/-0	0	4.0	8.5	5	0	0
H5A-21	30	2	2	50%	0%	0	0	0	0	0	+/-0	0	1.0	14.0	2	0	0
H7A-21	95	5	5	80%	50%	3	0	0	0	3	+/-1	0	6.3	12.3	5	0	0
<b>4,256</b>	<b>107</b>	<b>106</b>	<b>87.7%</b>	<b>39.7%</b>		<b>37</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>42</b>	<b>+/- 7</b>	<b>12</b>	<b>5.61</b>	<b>11.68</b>	<b>98</b>	<b>3</b>	<b>5</b>
The response rate for all units combined is: 87.7%															92%	3%	4%
Satisfaction scale of 1=very dissatisfied to 7=very satisfied.																	
* Number of 1st drawing applicants with that unit as 1st choice.																	

## Archery Elk 1985-2014



## **BLACK HILLS FIREARM ELK**

A total of 664 licenses were issued for the 2014 Black Hills Firearm Elk season. All license holders were sent a survey at the end of the season and 582 responded for an 88% response rate (1 survey was undeliverable). Approximately 72% responded using the Internet.

Respondents reported hunting an average of 5.85 days which projects to a total of 3,884 days of recreation for the season. The projected harvest was 295 bulls and 178 cows for an overall success rate of 71%.

Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 5.46 for the season. Approximately 88% of responding hunters reported hunting on public land, 5% on private land they did not own, and 7% on private land they owned.

Prior to 2002 it was assumed that any hunter that did not report harvesting an elk at the mandatory check in was unsuccessful, and success was measured by dividing the number of hunters that reported harvesting an elk by the total number of tags issued.

### Summary comparison of the 2005-2014 Black Hills Firearm Elk seasons

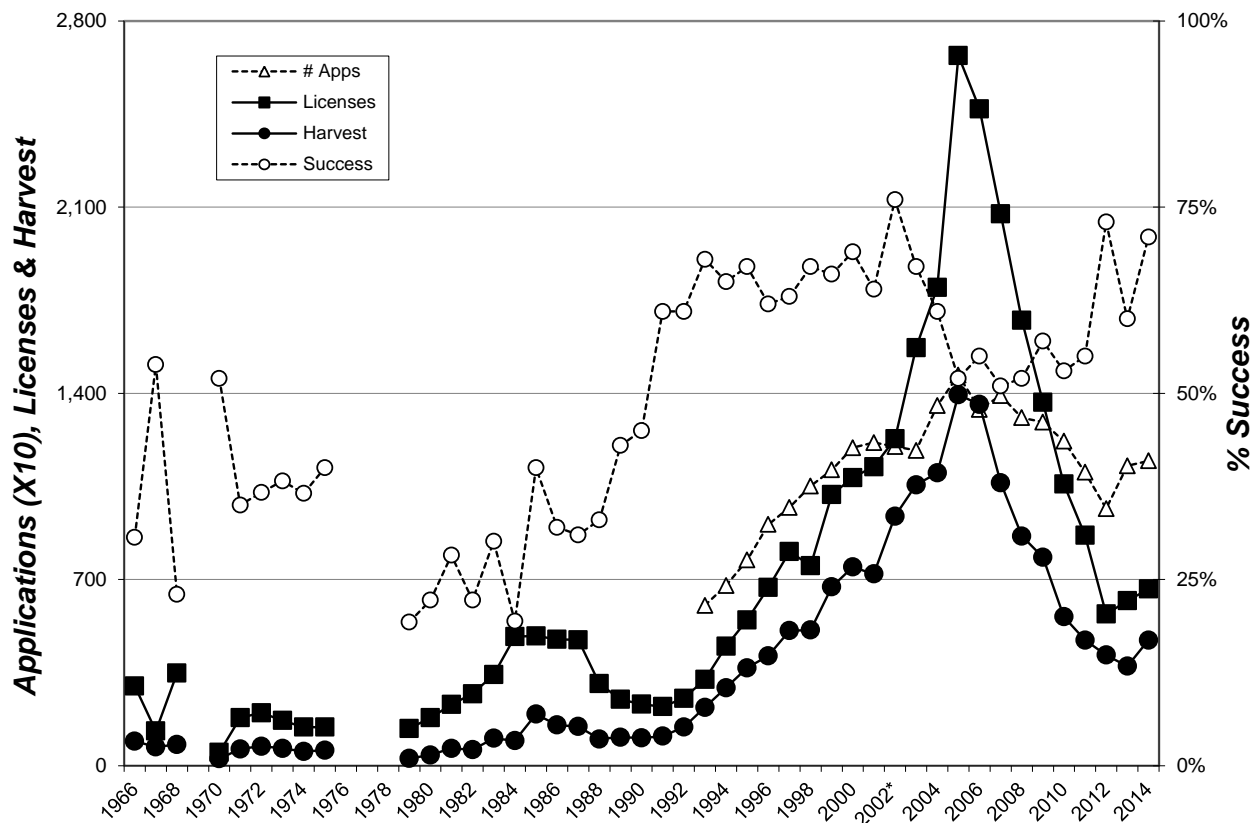
Year	# Apps 1 <sup>st</sup> Choice	Licenses Sold	Harvest			Success Rate	Avg. Days Hunted	Average Satisfaction
			Bulls	Cows	Total			
2005	14,687	2,670	511	884	1,395	52%	6.04	4.83
2006	13,392	2,470	525	833	1,358	55%	6.18	4.55
2007	13,916	2,075	559	505	1,064	51%	6.77	4.52
2008	13,083	1,675	473	390	863	52%	6.57	4.62
2009	12,915	1,366	404	379	783	57%	6.38	4.70
2010	12,197	1,059	300	260	560	53%	6.64	4.47
2011	11,031	866	299	173	472	55%	6.80	4.64
2012	9,665	570	291	125	416	73%	6.37	5.30
2013	11,274	620	272	103	374	60%	6.63	4.65
2014	11,461	664	295	178	472	71%	5.85	5.46

### 2014 Black Hills Firearm Elk Harvest Projections

Last Revised: 26 Feb 2015

Resident Licenses						Harvest Projections						Avg	Avg	Land Hunted Most				
Appl. 1st						Bull						Elk Shot Not	Satisfctn	Days	Other			
Unit/Type	Choice *	Avail.	Sold	Resp.	Success	Bulls	Cows	Calves	Calves	Harvested	CI (95%)	Recovered	Score	Hunted	Public	Own	Private	
H1A-21	1,108	75	76	84%	65%	42	7	0	0	49	+/-4	4	5.24	8.0	70	4	1	
H1C-23	47	40	40	90%	39%	0	13	2	0	16	+/-2	1	4.51	6.0	37	0	0	
H2A-21	8,230	250	249	92%	85%	183	24	3	2	212	+/-3	11	5.99	6.0	235	5	3	
H2C-23	197	50	50	84%	64%	0	27	2	2	32	+/-3	4	5.46	3.9	46	0	0	
H2E-23	229	100	96	84%	74%	0	65	1	5	71	+/-4	8	5.55	4.4	92	0	0	
H3A-21	1,310	80	80	91%	67%	46	8	0	0	54	+/-3	8	4.80	6.6	39	31	9	
H3E-23	72	60	58	76%	45%	0	20	4	3	26	+/-4	1	4.55	4.9	33	3	16	
H5A-21	71	5	5	100%	40%	2	0	0	0	2	+/-0	0	4.00	14.6	4	1	0	
H7A-21	197	10	10	90%	100%	9	1	0	0	10	+/-0	0	6.75	2.8	6	1	2	
	11,461	670	664	87.8%	71.1%	282	166	13	12	472	+/- 22	36	5.46	5.85	564	46	30	
The response rate for all units combined is:					87.8%											88%	7%	5%
Satisfaction scale of 1=very dissatisfied to 7=very satisfied.																		
* Number of 1st drawing applicants with that unit as 1st choice.																		

## Black Hills Firearm Elk 1966-2014



## PRAIRIE FIREARM ELK

A total of 92 licenses were issued for the 2014 Prairie Firearm Elk season. All license holders were sent a survey at the end of the season and 81 responded for an 88% response rate. Approximately 72% responded using the Internet.

Respondents reported hunting an average of 3.73 days for a total of 343 days of recreation. The projected harvest was 33 bulls and 25 cows for an overall success rate of 64%.

Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 5.31 for the season.

Approximately 18% of responding hunters reported hunting mostly on public land, 63% on private land they did not own, and 20% on private land they owned.

### Summary comparison for 2005-2014 Prairie Firearm Elk seasons

YEAR	Licenses Sold	Harvest			Success	Avg. Days Hunted	Average Satisfaction
		Bulls	Cows	Total			
2005	89	20	22	42	47%	6.20	4.92
2006	76	20	21	41	54%	5.62	4.30
2007	76	19	16	35	46%	5.87	4.58
2008	76	18	17	35	46%	7.46	4.29
2009	133	29	22	51	38%	5.31	4.17
2010	134	24	27	51	38%	3.92	4.00
2011	128	20	15	35	27%	4.03	4.02
2012	97	26	20	46	47%	5.22	4.72
2013	96	18	13	30	32%	4.81	4.15
2014	92	33	25	59	64%	3.73	5.31

### 2014 Prairie Firearm Elk Harvest Projections

Last Revised: 26 Feb 2015

Resident Licenses						Harvest Projections						Elk Shot Not Recovered	Avg Satisfctn Score	Avg Days Hunted	Land Hunted Most		
Appl. 1st						Bull			Cow		Total Elk				Public	Own	Other Private
Unit/Type	Choice *	Avail.	Sold	Resp.	Success	Bulls	Cows	Calves	Calves	Harvested	Ci (95%)						
09A-21	342	20	20	95%	74%	9	5	0	0	15	+/-1	1	5.3	6.9	0	6	14
09A-23	9	10	9	100%	78%	0	5	2	0	7	+/-0	0	6.0	8.6	0	0	8
11A-23	14	8	8	75%	50%	0	4	0	0	4	+/-2	0	5.2	1.7	0	0	7
11B-21	356	10	10	100%	70%	7	0	0	0	7	+/-0	0	5.3	5.1	2	3	5
11C-21	143	5	5	80%	100%	5	0	0	0	5	+/-0	0	6.5	3.3	0	1	4
11D-23	17	8	8	75%	100%	0	8	0	0	8	+/-0	0	6.2	5.5	1	0	7
15A-21	228	10	10	80%	63%	6	0	0	0	6	+/-2	0	5.1	5.1	0	1	9
15A-23	18	10	10	90%	33%	0	2	0	1	3	+/-1	0	5.1	8.1	0	3	7
27A-21	467	10	10	80%	38%	4	0	0	0	4	+/-2	0	5.0	7.0	5	3	1
30A-21	131	2	2	100%	0%	0	0	0	0	0	+/-0	0	1.0	12.5	2	0	0
1,725		93	92	88.0%	64.2%	31	24	2	1	59	+/- 7	1	5.31	3.73	10	11	36
The response rate for all units combined is:					88.0%												
Satisfaction scale of 1=very dissatisfied to 7=very satisfied.																	
* Number of 1st drawing applicants with that unit as 1st choice.																	

## **CUSTER STATE PARK ARCHERY ELK**

A total of 4 resident licenses were issued for the 2014 CSP Early Archery Elk season which was open from September 1-30. There was no Late CSP Archery season in 2014.

Respondents reported hunting an average of 8.8 days for a total of 35 days of recreation. All hunters reported harvesting adult bulls.

Summary comparison of the 2005-2014 seasons

<i>Year</i>	<i>Applications</i>	<i>Licenses</i>	<i>Bull Harvest</i>	<i>Cow Harvest</i>	<i>Success</i>	<i>Avg. Days Hunted</i>
2005	3,947	57	6	3	16%	8.63
2006	4,519	56	13	0	27%	7.81
2007	4,862	58	3	1	8%	9.30
2008	5,083	58	8	0	16%	8.74
2009	5,141	58	5	3	15%	10.4
2010	4,898	35	0	0	0%	11.2
2011	3,863	18	1	0	6%	7.8
2012	2,077	3	0	0	0%	14.0
2013	2,740	3	3	0	100%	9.3
2014	3,023	4	4	0	100%	8.8

## **CUSTER STATE PARK FIREARM ELK**

A total of 4 resident licenses were issued for the 2014 CSP Firearm Elk season which was open from September 20 – October 5. There was no Antlerless CSP Firearm season in 2014.

Respondents reported hunting an average of 1 day for a total of 4 days of recreation. Three hunters responded and reported harvesting adult bulls.

Summary comparison of the 2005-2014 seasons

<i>Year</i>	<i>Applications</i>	<i>Licenses</i>	<i>Bull Harvest</i>	<i>Cow Harvest</i>	<i>Success</i>	<i>Avg. Days Hunted</i>
2005	14,931	166	43	86	78%	3.21
2006	14,278	167	41	91	79%	3.11
2007	15,116	101	38	31	68%	3.70
2008	14,634	76	37	21	77%	3.33
2009	14,364	56	30	20	89%	4.10
2010	13,342	26	14	6	80%	3.80
2011	8,019	11	10	0	91%	5.50
2012	6,582	4	4	0	100%	1.75
2013	7,860	4	3	1	100%	2.00
2014	8,084	4	4	0	100%	1.00

## **Statewide Combined Deer Harvest**

There were 48,901 resident deer licenses (plus unlimited licenses) available in 2014 and 87,011 were issued. Nonresidents had 2,244 licenses (plus unlimited licenses) available and 7,263 were issued. Statewide, there were a total of 94,274 licenses sold that represented a total of 104,464 tags, a decrease in 15,583 licenses and 54,653 tags from 2013. After 5 consecutive years issuing triple-tag licenses, none were offered for either East or West River seasons in 2014. A total of 58,383 individual hunters were issued deer licenses in 2014.

Random samplings were taken for each unit within each season unless the numbers of hunters were low enough that all were sampled to satisfy the statistical analyses. Response rates ranged from 70% for Custer State Park (online only) to 85% for Lacreek Refuge.

The projected statewide deer harvest was 46,526, a 16% decrease from 2013. This projection included 26,704 whitetail bucks, 14,453 whitetail does, 4,396 mule bucks and 973 mule does. A decrease in overall harvest of nearly 9,000 deer with a significant reduction in the number of tags issued resulted in a 10% increase in harvest success from 2013.

Reductions in doe harvest for East River Deer and West River Deer accounted for most of the decrease from 2013. Both whitetail and mule doe harvest estimates decreased from 2013 by 8,822 and 1,785 respectively. Whitetail and mule buck harvest increased from 2013 by 1,505 and 145 respectively. Mule deer made up approximately 12% of the total harvest.

The 2014 overall statewide harvest success increased significantly to 45% from 35% in 2013. Harvest success ranged from 25% for Archery Deer to 76% for West River Special Buck.

Respondents reported hunting an average of 5.18 days per hunter, which projects to a statewide total of 487,976 recreation days in 2014. The average number of days hunted increased from 2013. That combined with a significant decrease in license sales resulted in a reduction of approximately 58,000 total days of recreation from 2013.

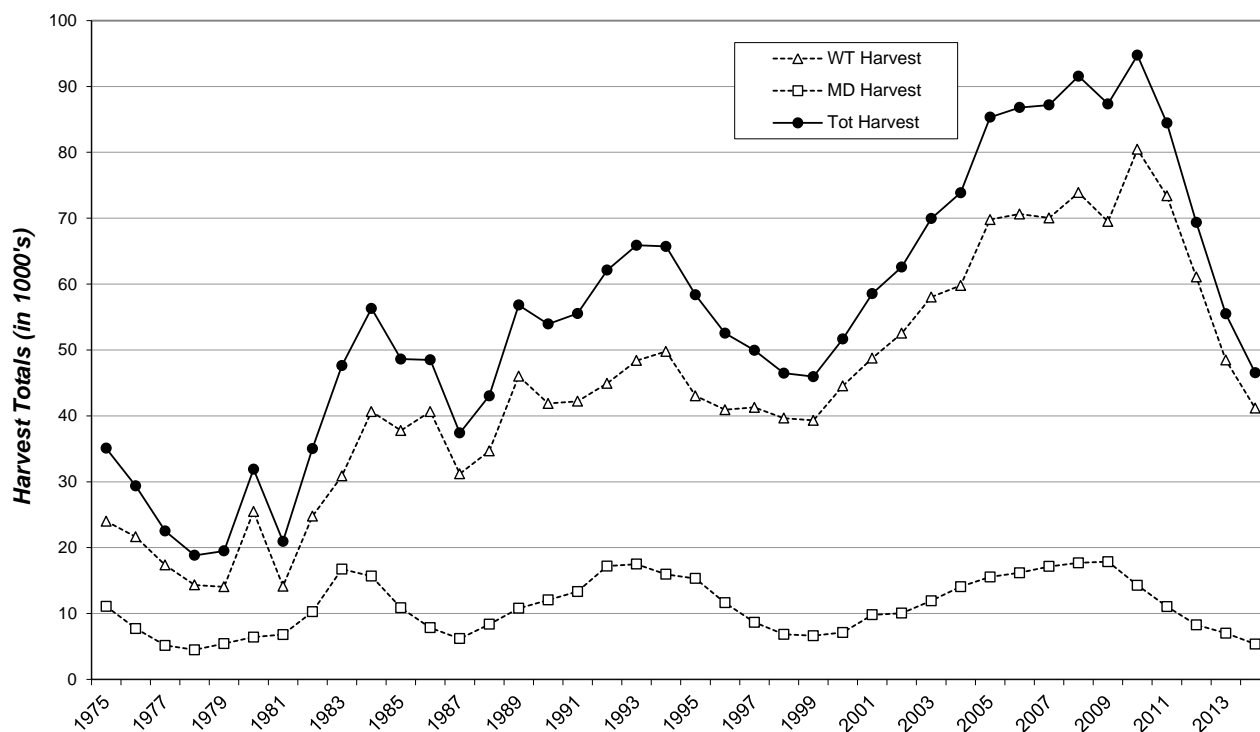
Average hunter satisfaction values (1=very dissatisfied to 7=very satisfied) varied between seasons and ranged from 4.40 at Lacreek Refuge to 6.33 for Custer State Park.

## 2014 Statewide Deer Harvest Projection Summary

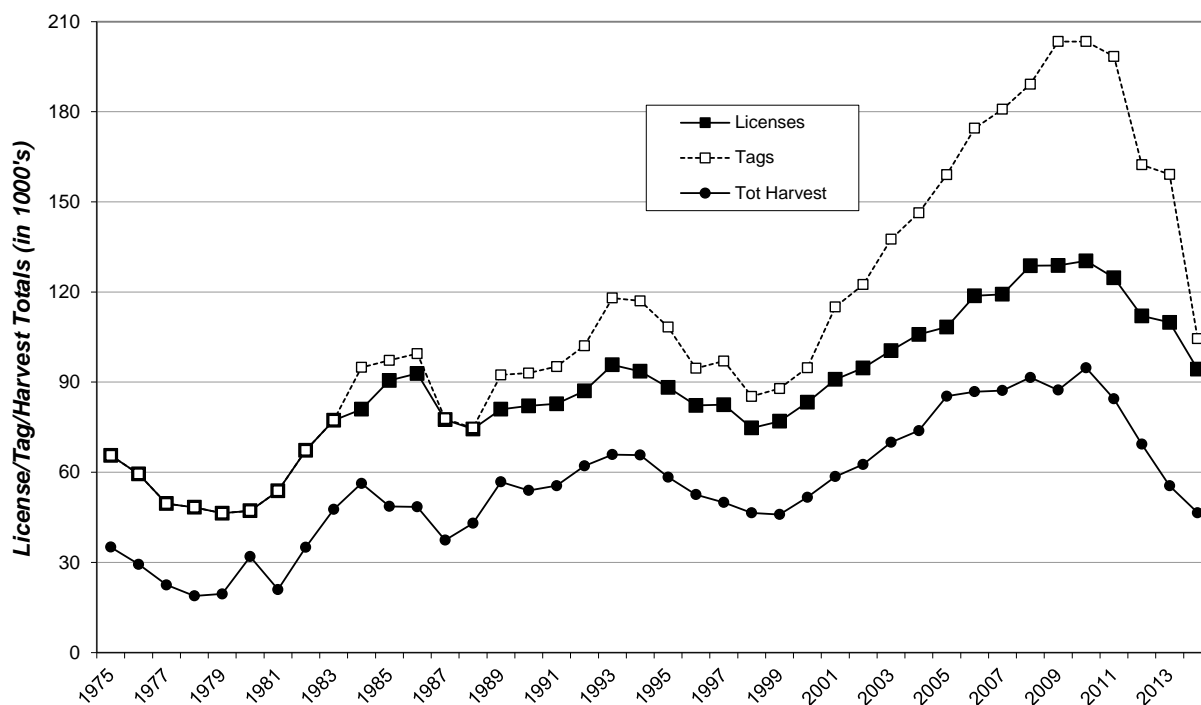
last revised: 6 May 2015

<b>SOUTH DAKOTA</b>	<b>Season</b>	<b>Archery</b>	<b>Youth Antlerless</b>	<b>Mentored Youth</b>	<b>Muzzleloader</b>	<b>Landowner Own Land Antlerless</b>	<b>West River</b>	<b>West River Landowner Own Land</b>	<b>West River Special Buck Unit</b>	<b>East River</b>	<b>East River Landowner Own Land</b>	<b>East River Special Buck Unit</b>	<b>Sand Lake NWR</b>	<b>Lacreek NWR</b>	<b>Waubay NWR</b>	<b>Black Hills</b>	<b>Custer State Park</b>	<b>Grand Totals</b>
<b>Harvest Statistic</b>																		
<b>Licenses/Tags</b>													<b>Refuges</b>					
<b>Resident Licenses</b>																		
Available		Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	18,310	Unlimited	500	26,025	Unlimited	656	120	30	30	3,200	30	48,901
Sold		21,647	4,467	3,096	3,073	0	17,793	1,943	500	25,171	5,210	656	122	30	31	3,242	30	87,011
<b>Resident Tags</b>																		
Available		Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	19,930	Unlimited	500	30,075	Unlimited	656	120	30	30	3,200	30	54,571
Sold		21,647	4,467	3,096	3,073	0	19,366	3,167	500	28,808	8,371	656	122	30	31	3,242	30	96,606
<b>Nonresident Licenses</b>																		
Available		Unlimited	Unlimited	N/A	Unlimited	N/A	1,469	N/A	500	Leftovers	N/A	N/A	12	4	3	256	N/A	2,244
Sold		2,840	571	N/A	140	N/A	2,035	N/A	500	912	N/A	N/A	11	0	2	252	N/A	7,263
<b>Nonresident Tags</b>																		
Available		Unlimited	Unlimited	N/A	Unlimited	N/A	1,599	N/A	500	Leftovers	N/A	N/A	12	4	3	256	N/A	2,374
Sold		2,840	571	N/A	140	N/A	2,216	N/A	500	1,326	N/A	N/A	11	0	2	252	N/A	7,858
<b>Total Licenses</b>																		
Available		Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	19,779	Unlimited	1,000	26,025	Unlimited	656	132	34	33	3,456	30	51,145
Sold		24,487	5,038	3,096	3,213	0	19,828	1,943	1,000	26,083	5,210	656	133	30	33	3,494	30	94,274
<b>Total Tags</b>																		
Available		Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	21,529	Unlimited	1,000	30,075	Unlimited	656	132	34	33	3,456	30	56,945
Sold		24,487	5,038	3,096	3,213	0	21,582	3,167	1,000	30,134	8,371	656	133	30	33	3,494	30	104,464
<b>Hunters</b>																		
		20,132	5,038	3,096	3,174	0	18,518	1,943	1,000	25,135	5,210	656	133	30	33	3,494	30	58,383
<b>Recreation</b>																		
Average Days Hunted		10.80	4.61	3.98	3.79		3.25	3.94	3.40	4.10	4.59	5.19	2.34	3.10	1.54	4.82	2.19	5.18
Total Days Hunted		217,441	23,250	12,333	12,044	0	60,275	7,655	3,403	106,880	23,934	3,403	311	93	51	16,839	66	487,976
Mean Satisfaction Score		4.97	5.47	5.70	4.58		4.88	5.03	5.74	4.80	4.82	5.17	5.20	4.40	4.90	5.48	6.33	
<b>Harvest</b>																		
<b>White-tailed Deer</b>																		
Bucks		3,948	317	214	235		6,641	634	371	9,648	2,214	350	35	7	7	2,076	8	26,704
Does		1,459	1,924	1,186	498		2,244	167	4	5,853	812	6	9	1	1	275	13	14,453
<b>Total</b>		5,407	2,241	1,400	733	0	8,885	801	375	15,501	3,026	356	44	8	8	2,351	21	41,157
<b>Mule Deer</b>																		
Bucks		562	37	29	85		2,447	415	385	254	95	27	3	0	0	59	0	4,396
Does		84	287	166	11		274	55	5	49	37	1	1	0	2	0	0	973
<b>Total</b>		645	324	195	96	0	2,722	470	389	303	131	28	4	0	2	59	0	5,368
<b>Total Deer Harvest</b>																		
Bucks		4,509	354	243	320	0	9,089	1,048	756	9,902	2,308	377	38	7	7	2,135	8	31,100
Does		1,543	2,211	1,352	509	0	2,518	222	8	5,902	849	7	11	1	4	275	13	15,426
<b>Total</b>		6,052	2,565	1,595	829	0	11,607	1,271	764	15,803	3,157	384	48	8	10	2,410	21	46,526
<b>Success</b>		25%	51%	52%	26%		54%	40%	76%	52%	38%	59%	36%	27%	32%	69%	68%	45%

## South Dakota's Combined Deer Harvest 1975-2014



## South Dakota Combined Deer Licensing 1975-2014



# ARCHERY DEER

There were 24,487 archery deer licenses issued in 2014 (21,647 resident, 2,840 nonresident) for a total of 24,487 tags. All were single any-deer tags or single antlerless whitetail tags for the Statewide, LM1 (Limited Statewide), East River or West River units.

A random sample of 6,310 hunters were surveyed and 4,862 responded for a 77% return rate. Approximately 65% of responding hunters used the Internet to respond.

The 2014 Archery Deer season ran from September 27, 2014 through January 15, 2015, however only unfilled antlerless tags were valid from January 1-15. Respondents reported hunting 10.80 days per hunter, which projects to a total of 217,441 recreation days for the season.

The projected harvest for the archery season was 6,052 deer (3,948 whitetail bucks, 1,459 whitetail does, 562 mule deer bucks, and 83 mule deer does). The success rate for the season was 25%. The five deer management units with the highest reported harvest were the Black Hills, Brown, Minnehaha, Hand, and West Meade, accounting for approximately 25% of all archery season harvest.

Satisfaction was also measured (1=very dissatisfied to 7=very satisfied) and the average response for this season was 4.97.

## Summary comparison of the 2006-2014 Archery Deer seasons

YEAR	Licenses Sold		Harvest					Tag Success	Avg Days Hunted	Average Satisfctn
			Bucks		Does		Total			
	Res	Nonres	WT	Mule	WT	Mule				
2006	19,595	2,308	3,423	425	3,812	316	7,976	32%	13.35	NA
2007	20,863	2,459	3,589	538	3,664	352	8,143	30%	12.47	5.11
2008	21,990	2,649	3,860	551	4,147	427	8,985	31%	12.36	5.10
2009	23,495	3,071	4,228	488	3,960	266	8,939	31%	12.34	5.12
2010	24,824	3,492	4,582	475	4,364	307	9,727	32%	12.29	5.27
2011	24,681	3,386	4,216	459	3,534	193	8,401	27%	12.51	4.86
2012	25,100	3,128	4,086	379	3,264	137	7,866	26%	11.78	4.86
2013	24,315	3,036	3,875	424	2,585	141	7,025	24%	11.11	4.76
2014	21,647	2,840	3,948	562	1,459	83	6,052	25%	10.80	4.97

## 2014 Archery Deer Harvest Projections

Last Revised: 4-May-15	Harvest Projections																		Avg Days Hunted	Avg Satisfaction
	License Holders	Licenses Available	Licenses Sold			Response Rate	Hunter Success	Tag Success	Whitetail				Mule Deer				Total Deer Harvest			
			Resident	Nonresident	Tags Sold				Bucks		Does		Bucks		Does					
									Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn				
Unit																				
Statewide not Access units	19,641	Unlimited	21,277	2,719	23,996	77%	28%	25%	3,825	110	1,315	141	519	9	79	4	6,002	10.80	4.97	
Access Permit Units	491	Unlimited	370	121	491	81%	18%	8%	12	0	2	1	34	0	0	0	50	4.25	5.42	
Totals	20,132		21,647	2,840	24,487	77.1%		25%	3,838	110	1,317	142	553	9	79	4	6,052			

## 2014 Access Permit Archery Deer Harvest Projections

Last Revised: 18-Mar-15	Harvest Projections																		Total Deer Harvest	Avg Days Hunted	Avg Satisfaction
	Permit Holders	Licenses Available	Permits Issued		Sold	Response Rate	Hunter Success	Permit Success	Whitetail				Mule Deer								
									Bucks		Does		Bucks		Does						
									Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn					
Unit			Resident	Nonresident																	
Custer Nat Forest	367	Unlimited	262	105	367	79%	19%	10%	5	0	0	0	32	0	0	0	37	3.99	5.42		
Hill Ranch GPA	149	Unlimited	126	23	149	82%	16%	7%	6	0	1	0	2	0	0	0	10	5.36	5.53		
Little Moreau GPA	97	Unlimited	82	15	97	84%	16%	4%	1	0	1	1	0	0	0	0	4	3.16	5.16		
	491		470	143	613	80.8%	18.4%	8%	12	0	2	1	34	0	0	0	50	4.25	5.42		
4 hunters in the regular Archery Survey who did not have an Access Permit reported harvesting deer in the Custer National Forest unit																					

4 hunters in the regular Archery Survey who did not have an Access Permit reported harvesting deer in the Custer National Forest unit.

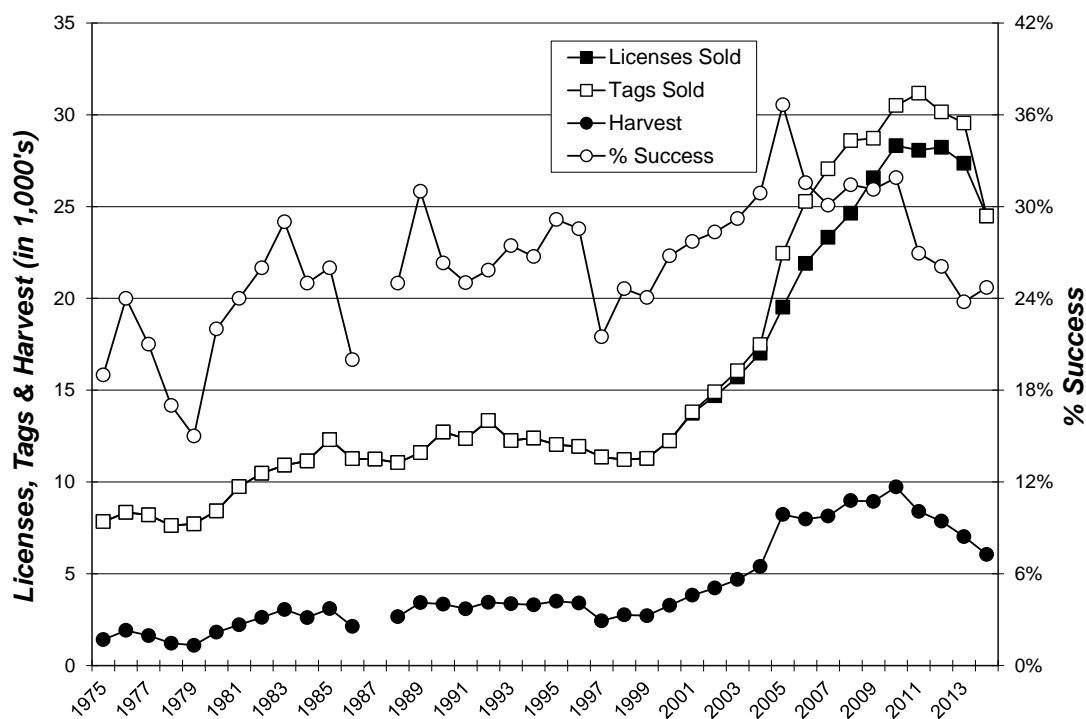
**South Dakota Game Report No 2015-06 - 2014 Big Game Harvest Projections**  
*Corey Huxoll*

## 2014 Archery Deer Harvest Distribution by Management Unit

Last Revised: 05-May-15	Reported Harvest									Projected Harvest									
	Whitetail				Mule Deer				Total	Whitetail				Mule Deer				Total	
	Bucks		Does		Bucks		Does			Bucks		Does		Bucks		Does			
	County	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult		Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	Estimate
01A (Minnehaha)	31	2	11	1	1	0	0	0	46	138	9	49	4	5	0	0	0	205	3.4%
02A (NE Penn/SE Meade)	9	0	0	0	4	0	0	0	13	40	0	0	0	18	0	0	0	58	1.0%
02C (SE Pennington)	6	0	1	0	2	0	0	0	9	27	0	4	0	9	0	0	0	40	0.7%
03A (Brown)	44	0	25	1	0	0	0	0	70	196	0	112	4	0	0	0	0	312	5.2%
04A (Beadle)	20	0	5	2	0	0	0	0	27	89	0	22	9	0	0	0	0	120	2.0%
05A (Codington)	19	0	6	1	0	0	0	0	26	85	0	27	4	0	0	0	0	116	1.9%
06A (Brookings)	28	0	5	1	0	0	0	0	34	125	0	22	4	0	0	0	0	151	2.5%
07A (Yankton)	19	2	4	0	0	0	0	0	25	85	9	18	0	0	0	0	0	112	1.8%
08A (Davison)	19	1	0	0	0	0	0	0	20	85	5	0	0	0	0	0	0	89	1.5%
10A (Aurora)	9	0	8	1	0	0	0	0	18	40	0	36	4	0	0	0	0	80	1.3%
11A (N Bennett)	3	0	0	0	1	0	0	0	4	13	0	0	0	5	0	0	0	18	0.3%
11B (S Bennett)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
12A (Bon Homme)	16	0	2	0	1	0	0	0	19	71	0	9	0	5	0	0	0	85	1.4%
13A (Brule)	11	0	5	0	0	0	0	0	16	49	0	22	0	0	0	0	0	71	1.2%
14A (Buffalo)	5	0	3	0	0	0	0	0	8	22	0	13	0	0	0	0	0	36	0.6%
15A (Butte)	10	0	10	1	3	0	0	0	24	44	0	45	4	14	0	0	0	107	1.8%
15B (SW Butte/Lawrence)	8	0	4	0	1	0	0	0	13	36	0	18	0	5	0	0	0	58	1.0%
16A (Campbell)	2	1	4	0	1	0	1	0	9	9	5	18	0	5	0	5	0	41	0.7%
17A (Charles Mix)	11	0	1	1	5	1	1	0	20	49	0	4	4	23	4	5	0	89	1.5%
18A (Clark)	21	1	5	0	0	0	0	0	27	93	5	22	0	0	0	0	0	120	2.0%
19A (Clay)	7	0	3	0	0	0	0	0	10	31	0	13	0	0	0	0	0	45	0.7%
20A (Corson)	1	0	0	0	1	0	0	0	2	4	0	0	0	5	0	0	0	9	0.1%
21A (E Custer/S Penn)	11	0	1	1	3	0	0	0	16	49	0	4	4	14	0	0	0	71	1.2%
21B (C Custer/C Penn)	3	0	4	1	2	0	2	0	12	13	0	18	4	9	0	9	0	54	0.9%
22A (Day)	17	0	1	1	0	0	0	0	19	76	0	4	4	0	0	0	0	84	1.4%
23A (Deuel)	7	0	3	0	1	0	0	0	11	31	0	13	0	5	0	0	0	49	0.8%
24A (Dewey)	1	0	3	0	1	0	0	0	5	4	0	13	0	5	0	0	0	22	0.4%
24B (Little Moreau)	1	0	1	1	0	0	0	0	3	1	0	1	1	0	0	0	0	4	0.1%
25A (Douglas)	6	0	1	0	0	0	0	0	7	27	0	4	0	0	0	0	0	31	0.5%
26A (Edmunds)	12	0	7	0	0	0	0	0	19	53	0	31	0	0	0	0	0	85	1.4%
27A (NW Frider/SW Cust)	0	0	0	0	1	0	0	0	1	0	0	0	0	5	0	0	0	5	0.1%
27B (Fall River)	4	0	2	0	6	0	2	1	15	18	0	9	0	27	0	9	4	68	1.1%
27L (Hill Ranch Area)	5	0	1	0	2	0	0	0	8	6	0	1	0	2	0	0	0	10	0.2%
28A (Faulk)	11	0	3	0	0	0	0	0	14	49	0	13	0	0	0	0	0	62	1.0%
29A (Grant)	21	1	5	2	0	0	0	0	29	93	5	22	9	0	0	0	0	129	2.1%
30A,B (Gregory)	18	0	16	1	0	0	0	0	35	80	0	72	4	0	0	0	0	156	2.6%
31A (Haakon)	3	0	0	0	4	0	1	0	8	13	0	0	0	18	0	5	0	36	0.6%
32A (Hamlin)	14	0	4	0	0	0	0	0	18	62	0	18	0	0	0	0	0	80	1.3%
33A (Hand)	24	1	11	1	1	0	0	0	38	107	5	49	4	5	0	0	0	169	2.8%
34A (Hanson)	5	0	1	0	0	0	0	0	6	22	0	4	0	0	0	0	0	27	0.4%
35A (W Harding)	1	0	0	0	7	1	0	0	9	4	0	0	0	32	4	0	0	40	0.7%
35C (E Harding)	1	0	1	1	1	0	0	0	4	4	0	4	4	5	0	0	0	18	0.3%
35L (Custer Nat Forest)	5	0	0	0	28	0	0	0	33	6	0	0	0	35	0	0	0	41	0.7%
36A (Hughes)	18	0	10	0	4	0	1	0	33	80	0	45	0	18	0	5	0	147	2.4%
37A (Hutchinson)	2	0	1	0	0	0	0	0	3	9	0	4	0	0	0	0	0	13	0.2%
38A (Hyde)	10	1	3	0	0	0	0	0	14	44	5	13	0	0	0	0	0	62	1.0%
39A (N Jackson)	1	0	0	0	1	0	0	0	2	4	0	0	0	5	0	0	0	9	0.1%
39B (S Jackson)	1	0	1	0	0	0	2	0	4	4	0	4	0	0	0	9	0	18	0.3%
40A (Jerauld)	6	0	3	0	0	0	0	0	9	27	0	13	0	0	0	0	0	40	0.7%
41A (Jones)	3	0	1	0	0	0	0	0	4	13	0	4	0	0	0	0	0	18	0.3%
42A (Kingsbury)	10	1	7	1	0	0	0	0	19	44	5	31	4	0	0	0	0	85	1.4%
43A (Lake)	19	0	2	1	0	0	0	0	22	85	0	9	4	0	0	0	0	98	1.6%
44A (Lincoln)	19	2	1	0	0	0	0	0	22	85	9	4	0	0	0	0	0	98	1.6%
45A (W Lyman)	10	0	3	0	0	0	0	0	13	44	0	13	0	0	0	0	0	58	1.0%
45B (E Lyman)	3	0	2	2	2	0	0	0	9	13	0	9	9	9	0	0	0	40	0.7%
45C (NE Lyman/SE Stanley)	0	0	1	0	1	0	0	0	2	0	0	4	0	5	0	0	0	9	0.1%
45D (Ft Pr Nat GrsInd)	1	0	1	0	0	0	0	0	2	4	0	4	0	0	0	0	0	9	0.1%
46A (McCook)	12	0	3	0	0	0	0	0	15	53	0	13	0	0	0	0	0	67	1.1%
47A (McPherson)	2	0	3	1	0	0	0	0	6	9	0	13	4	0	0	0	0	27	0.4%
48A (Marshall)	8	1	1	0	1	0	0	0	11	36	5	4	0	5	0	0	0	49	0.8%
49A (W Meade)	33	0	7	2	0	0	0	0	42	147	0	31	9	0	0	0	0	187	3.1%
49B (NE Meade)	1	0	1	0	3	0	0	0	5	4	0	4	0	14	0	0	0	22	0.4%
50A,B (Mellette)	4	0	4	0	3	0	0	0	11	18	0	18	0	14	0	0	0	49	0.8%
51A (Miner)	8	0	3	0	1	0	0	0	12	36	0	13	0	5	0	0	0	54	0.9%
52A (Moody)	15	1	2	0	0	0	0	0	18	67	5	9	0	0	0	0	0	80	1.3%
53A (N Perkins)	1	0	1	0	2	0	0	0	4	4	0	4	0	9	0	0	0	18	0.3%
53C (S Perkins)	2	0	1	0	3	0	0	0	6	9	0	4	0	14	0	0	0	27	0.4%
54A (Potter)	8	2	5	0	2	0	0	0	17	36	9	22	0	9	0	0	0	76	1.3%
55A (Roberts)	14	0	3	0	0	0	0	0	17	62	0	13	0	0	0	0	0	76	1.3%
56A (Sanborn)	8	2	2	1	1	0	0	0	14	36	9	9	4	5	0	0	0	63	1.0%
57A (Spink)	22	1	8	0	0	0	0	0	31	98	5	36	0	0	0	0	0	138	2.3%
58A (Stanley)	8	0	2	0	5	0	1	0	16	36	0	9	0	23	0	5	0	72	1.2%
59A (W Sully)	10	2	0	0	9	0	0	0	21	44	9	0	0	41	0	0	0	94	1.6%
59B (E Sully)	3	0	2	2	0	0	0	0	7	13	0	9	9	0	0	0	0	31	0.5%
60A (Tripp)	9	0	8	2	2	0	1	0	22	40	0	36	9	9	0	5	0	98	1.6%
61A (Turner)	8	0	1	0	0	0	0	0	9	36	0	4	0	0	0	0	0	40	0.7%
62A (Union)	24	0	3	0	0	0	0	0	27	107	0	13	0	0	0	0	0	120	2.0%
63A (Walworth)	4	0	3	1	2	0	0	0	10	18	0	13	4	9	0	0	0	45	0.7%
64A (Ziebach)	1	0	1	0	1	0	0	0	3	4	0	4	0	5	0	0	0	13	0.2%
65A (Shannon)	4	0	1	0	0	0	0	0	5	18	0	4	0	0	0	0	0	22	0.4%
67A (Todd)	3	0	0	0	0	0	0	0	3	13	0	0	0	0	0	0	0	13	0.2%
BH (Black Hills)	86	2	28	2	22	0	5	0	145	383	9	125	9	99	0	23	0	648	10.7%
Unknown	10	1	5	0	3	0	1	0	20										
TOTALS	880	25	301	33	145	2	18	1	1,405	3,838	110	1,317	142	553	9	79	4	6,052	

*Any by management unit projected harvest values will differ from statewide projected harvest values due to incorrect sampling proportions within units. Use these figures for approximations only!*

## Archery Deer 1975-2014



## **YOUTH DEER**

There were 5,038 single-tag antlerless licenses issued for the 2014 Youth Deer hunting season (4,467 resident, 571 nonresident). Approximately 60% of hunters were sampled and 2,199 responses (73%) were received. Approximately 52% of responding hunters used the Internet to respond.

The Youth season ran from September 13, 2014 through January 15, 2015. Respondents reported hunting an average of 4.61 days each, which projected to 23,250 recreation days for the season.

Projections for the season indicated that a total of 317 whitetail bucks, 1,924 whitetail does, 37 mule deer bucks, and 287 mule deer does were harvested. The estimated total harvest for the Youth Deer season was 2,565, and the overall success rate was 51%. The five deer management units with the highest reported harvest were the Black Hills, Minnehaha, Brown, Deuel, and Roberts, which accounted for 21% of the total youth season harvest.

The average satisfaction rating for those responding (1 being very dissatisfied and 7 very satisfied) was 5.47.

### Comparison of the 2006 - 2014 Youth Deer hunting seasons

YEAR	Licenses Sold	Harvest						Avg Days Hunted	Average Satisfctn
		Bucks		Does		Total	Success		
		WT	Mule	WT	Mule				
2006	3,762	228	34	1,204	276	1,742	46%	4.72	5.01
2007	4,670	296	42	1,612	389	2,339	50%	5.39	5.35
2008	7,800	558	76	3,081	558	4,274	55%	6.36	5.45
2009	6,847	387	66	2,391	491	3,336	49%	5.72	5.22
2010	7,261	414	46	2,790	457	3,708	51%	5.72	5.38
2011	7,033	339	43	2,349	322	3,053	43%	5.58	5.02
2012	6,110	321	33	2,387	305	3,046	50%	4.87	5.32
2013	5,548	346	32	1,756	344	2,477	45%	4.64	5.23
2014	5,038	317	37	1,924	287	2,565	51%	4.61	5.47

### 2014 Youth Deer Harvest Projections

Last Revised: 5-May-15															Average		Avg
Unit	License Holders	Licenses Available	Licenses Sold		Response Rate	Hunter Success	Tag Success	Harvest Projections						Total Harvest	Satisfaction Score **	Days Hunted	
			Resident	Nonresident				Whitetail			Mule Deer						
								Bucks	Does	Doe Fawns	Bucks	Does	Doe Fawns				
Statewide not Access units	4,994	Unlimited	4,433	561	4,994	73%	51%	317	1,682	239	34	259	28	2,559	5.47	4.61	
Access Permit Units	44	Unlimited	34	10	44	53%	23%	9	0	2	2	2	0	6	5.23	2.08	
Totals	5,038		4,467	571	5,038	72.8%	51%	317	1,684	240	37	259	28	2,565			
** Refers to a satisfaction scale of 1=very dissatisfied to 7=very satisfied.																	

\*\* Refers to a satisfaction scale of 1=very dissatisfied to 7=very satisfied.

### 2014 Access Permit Youth Deer Harvest Projections

Last Revised: 19-Mar-15																	Average	Avg
Unit	Permit Holders	Licenses Available	Permits Issued		Sold	Response Rate	Hunter Success	Tag Success	Harvest Projections						Total Harvest	Satisfaction Score **	Days Hunted	
			Resident	Nonresident					Whitetail			Mule Deer						
									Does	Doe Fawns		Bucks	Does	Doe Fawns				
Custer Nat Forest	26	Unlimited	20	6	26	44%	25%	9%	0	0	0	2	0	0	2	5.25	2.25	
Hill Ranch GPA	23	Unlimited	17	6	23	59%	29%	15%	0	2	2	0	0	0	4	5.29	2.00	
Little Moreau GPA	16	Unlimited	13	3	16	40%	0%	0%	0	0	0	0	0	0	0	5.00	2.00	
	44		50	15	65	53.5%	23.1%	9%	0	2	2	2	0	0	6	5.23	2.08	

2 hunters in the regular Youth Survey who did not have an Access Permit reported harvesting deer in the Custer National Forest unit

**South Dakota Game Report No 2015-06 - 2014 Big Game Harvest Projections**  
*Corey Huxoll*

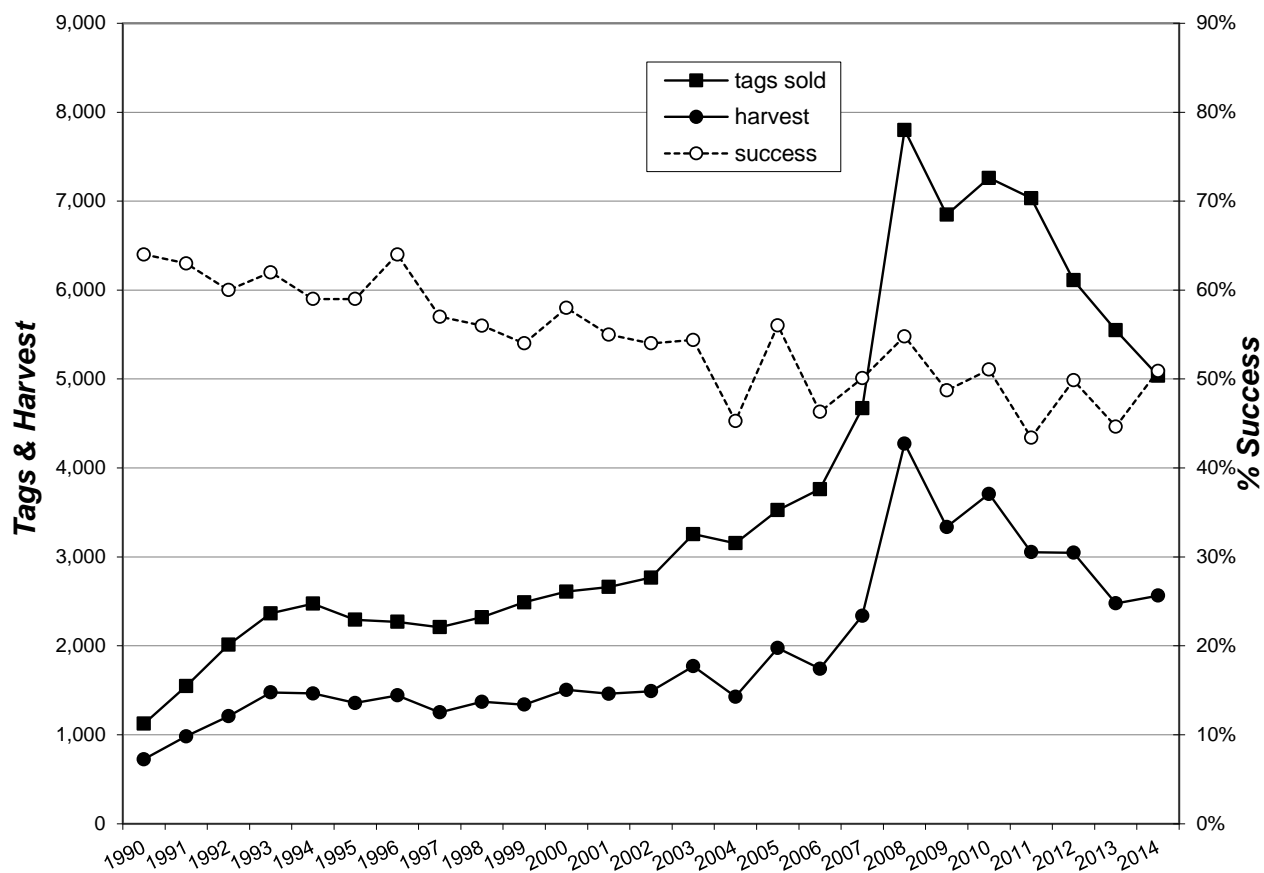
## 2014 Youth Deer Harvest Distribution by Management Unit

County	Reported Harvest							Projected Harvest							
	Whitetail			Mule Deer				Whitetail			Mule Deer			Total	
	Bucks	Does		Bucks	Does		Bucks	Does		Bucks	Does				
	Fawn	Adult	Fawn	Fawn	Adult	Fawn	Total	Fawn	Adult	Fawn	Fawn	Adult	Fawn	Estimate	%
01A (Minnehaha)	11	19	2	0	0	0	32	25	45	5	0	0	0	75	2.9%
02A (NE Penn/SE Meade)	1	5	0	0	8	0	14	2	12	0	0	18	0	32	1.3%
02C (SE Pennington)	0	13	2	1	1	0	17	0	31	5	2	2	0	40	1.6%
03A (Brown)	3	27	4	0	0	0	34	7	64	9	0	0	0	80	3.1%
04A (Beadle)	3	16	3	0	0	0	22	7	38	7	0	0	0	51	2.0%
05A (Codington)	4	24	3	0	0	0	31	9	56	7	0	0	0	73	2.8%
06A (Brookings)	4	14	3	0	0	0	21	9	33	7	0	0	0	49	1.9%
07A (Yankton)	1	18	0	0	0	0	19	2	42	0	0	0	0	45	1.7%
08A (Davison)	0	6	0	0	0	0	6	0	14	0	0	0	0	14	0.6%
10A (Aurora)	0	16	1	0	0	0	17	0	38	2	0	0	0	40	1.6%
11A (N Bennett)	0	1	0	0	1	0	2	0	2	0	0	2	0	5	0.2%
11B (S Bennett)	0	1	0	0	0	0	1	0	2	0	0	0	0	2	0.1%
12A (Bon Homme)	2	11	1	0	0	0	14	5	26	2	0	0	0	33	1.3%
13A (Brule)	1	6	3	2	3	0	15	2	14	7	5	7	0	35	1.4%
14A (Buffalo)	0	3	0	0	0	0	3	0	7	0	0	0	0	7	0.3%
15A (Butte)	3	16	0	1	8	0	28	7	38	0	2	18	0	65	2.6%
15B (SW Butte/Lawrence)	0	8	2	0	0	0	10	0	19	5	0	0	0	23	0.9%
16A (Campbell)	1	5	0	0	1	0	7	2	12	0	0	2	0	16	0.6%
17A (Charles Mix)	1	10	2	0	3	0	16	2	24	5	0	7	0	37	1.5%
18A (Clark)	3	9	3	0	0	0	15	7	21	7	0	0	0	35	1.4%
19A (Clay)	1	11	1	0	0	0	13	2	26	2	0	0	0	30	1.2%
20A (Corson)	0	3	0	0	3	0	6	0	7	0	0	7	0	14	0.5%
21A (E Custer/S Penn)	0	11	1	0	2	0	14	0	26	2	0	5	0	33	1.3%
21B (C Custer/C Penn)	2	4	0	0	0	0	6	5	9	0	0	0	0	14	0.5%
22A (Day)	5	12	0	0	0	0	17	12	28	0	0	0	0	40	1.6%
23A (Deuel)	8	16	5	0	0	0	29	18	38	11	0	0	0	68	2.6%
24A (Dewey)	0	5	1	0	1	0	7	0	12	2	0	2	0	16	0.6%
24B (Little Moreau)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
25A (Douglas)	0	2	0	0	0	0	2	0	5	0	0	0	0	5	0.2%
26A (Edmunds)	0	11	0	0	1	0	12	0	26	0	0	2	0	28	1.1%
27A (NW FRiver/SW Cust)	0	2	2	0	0	0	4	0	5	5	0	0	0	9	0.4%
27B (Fall River)	0	2	0	0	8	1	11	0	5	0	0	18	2	25	1.0%
27L (Hill Ranch Area)	0	1	1	0	0	0	2	0	2	2	0	0	0	4	0.2%
28A (Faulk)	0	3	1	0	0	0	4	0	7	2	0	0	0	9	0.4%
29A (Grant)	2	21	3	0	0	0	26	5	49	7	0	0	0	61	2.4%
30A,B (Gregory)	3	7	4	3	2	0	19	7	16	9	7	5	0	45	1.7%
31A (Haakon)	2	2	0	0	2	0	6	5	5	0	0	5	0	14	0.5%
32A (Hamlin)	6	19	3	0	0	0	28	14	45	7	0	0	0	65	2.6%
33A (Hand)	1	12	3	0	0	0	16	2	28	7	0	0	0	37	1.5%
34A (Hanson)	0	12	1	0	0	0	13	0	28	2	0	0	0	31	1.2%
35A (W Harding)	0	3	0	0	0	0	3	0	7	0	0	0	0	7	0.3%
35C (E Harding)	0	0	1	0	0	1	2	0	0	2	0	0	2	5	0.2%
35L (Custer Nat Forest)	0	2	0	1	0	0	3	0	2	0	2	0	0	4	0.2%
36A (Hughes)	1	5	2	0	7	0	15	2	12	5	0	16	0	35	1.4%
37A (Hutchinson)	2	5	0	0	0	0	7	5	12	0	0	0	0	16	0.6%
38A (Hyde)	0	5	0	0	0	0	5	0	12	0	0	0	0	12	0.5%
39A (N Jackson)	0	0	0	0	1	0	1	0	0	0	0	2	0	2	0.1%
39B (S Jackson)	1	0	1	0	0	0	2	2	0	2	0	0	0	5	0.2%
40A (Jerauld)	3	7	2	0	0	0	12	7	16	5	0	0	0	28	1.1%
41A (Jones)	1	2	1	0	1	0	5	2	5	2	0	2	0	12	0.5%
42A (Kingsbury)	2	10	0	0	0	0	12	5	24	0	0	0	0	28	1.1%
43A (Lake)	2	13	4	0	0	0	19	5	31	9	0	0	0	44	1.7%
44A (Lincoln)	2	11	3	0	0	0	16	5	26	7	0	0	0	37	1.5%
45A (W Lyman)	0	5	2	1	5	0	13	0	12	5	2	11	0	30	1.2%
45B (E Lyman)	0	1	0	0	1	0	2	0	2	0	0	2	0	5	0.2%
45C (NE Lyman/SE Stanley)	0	1	0	0	0	0	1	0	2	0	0	0	0	2	0.1%
45D (Ft Pr Nat Grslnd)	0	0	0	0	1	1	2	0	0	0	0	2	2	5	0.2%
46A (McCook)	6	17	4	0	0	1	28	14	40	9	0	0	2	65	2.6%
47A (McPherson)	3	18	2	0	1	0	24	7	42	5	0	2	0	56	2.2%
48A (Marshall)	3	9	3	0	0	1	16	7	21	7	0	0	2	37	1.5%
49A (W Meade)	2	8	2	0	2	0	14	5	19	5	0	5	0	33	1.3%
49B (NE Meade)	2	4	0	2	3	2	13	5	9	0	5	7	5	30	1.2%
50A,B (Mellette)	0	4	0	0	5	0	9	0	9	0	0	11	0	21	0.8%
51A (Miner)	3	11	0	0	0	0	14	7	26	0	0	0	0	33	1.3%
52A (Moody)	1	15	3	0	2	0	21	2	35	7	0	5	0	49	1.9%
53A (N Perkins)	1	5	2	1	7	0	16	2	12	5	2	16	0	37	1.5%
53C (S Perkins)	0	0	1	0	6	1	8	0	0	2	0	14	2	18	0.7%
54A (Potter)	2	6	0	0	0	0	8	5	14	0	0	0	0	19	0.7%
55A (Roberts)	8	18	3	0	1	0	30	18	42	7	0	2	0	70	2.7%
56A (Sanborn)	2	6	0	0	1	0	9	5	14	0	0	2	0	21	0.8%
57A (Spink)	2	16	2	0	0	0	20	5	38	5	0	0	0	47	1.8%
58A (Stanley)	2	4	1	0	4	0	11	5	9	2	0	9	0	26	1.0%
59A (W Sully)	0	0	0	1	2	2	5	0	0	0	2	5	5	12	0.5%
59B (E Sully)	0	2	0	0	0	0	2	0	5	0	0	0	0	5	0.2%
60A (Tripp)	4	10	2	1	2	0	19	9	24	5	2	5	0	44	1.7%
61A (Turner)	1	4	0	0	0	0	5	2	9	0	0	0	0	12	0.5%
62A (Union)	0	23	0	0	0	0	23	0	54	0	0	0	0	54	2.1%
63A (Walworth)	1	3	0	1	0	2	7	2	7	0	2	0	5	16	0.6%
64A (Ziebach)	0	1	0	0	1	0	2	0	2	0	0	2	0	5	0.2%
65A (Shannon)	0	3	1	0	1	0	5	0	7	2	0	2	0	12	0.5%
67A (Todd)	1	1	0	0	1	0	3	2	2	0	0	2	0	7	0.3%
BH (Black Hills)	11	74	8	0	14	0	107	25	174	18	0	32	0	250	9.8%
Unknown	1	18	0	1	0	0	17								
TOTALS	138	733	104	15	113	12	1,115	317	1,684	240	37	259	28	2,565	

Any by management unit projected harvest values will differ from statewide projected harvest values due to incorrect sampling proportions within units.

Use these figures for approximations only!

## Youth Deer 1990-2014



## **MENTORED YOUTH DEER**

There were 3,096 resident single-tag antlerless mentored youth deer licenses issued for 2014. All mentors/hunters were sampled and 2,432 responses (79%) were received. Approximately 67% of responding mentors/hunters used the Internet to respond.

The Mentored Youth licenses were valid during the Youth Deer season which ran from September 13, 2014 through January 15, 2015. Respondents reported hunting an average of 3.98 days each, which projected to 12,333 recreation days for the season.

Projections for the season indicated that a total of 214 whitetail bucks, 1,187 whitetail does, 29 mule deer bucks, and 167 mule deer does were harvested. The total harvest for the Mentored Youth Deer season was 1,595, and the overall success rate was 52%. The five deer management units with the highest reported harvest were the Black Hills, Minnehaha, Beadle, Gregory, and Hamlin.

The average satisfaction rating for those responding (1 being very dissatisfied and 7 very satisfied) was 5.70.

### Summary for the 2008-2014 Mentored Youth Deer hunting seasons

YEAR	Licenses Sold	Harvest						Avg Days Hunted	Average Satisfctn
		Bucks		Does		Total	Success		
		WT	Mule	WT	Mule				
2008	1,110	79	13	489	106	687	62%	4.09	6.02
2009	1,627	132	16	624	164	936	58%	4.02	5.78
2010	2,174	128	17	947	152	1,244	57%	3.72	5.94
2011	2,335	143	14	872	171	1,200	51%	4.16	5.70
2012	2,497	207	28	1,015	182	1,431	57%	3.77	5.78
2013	2,939	179	14	1,028	154	1,375	47%	3.87	5.57
2014	3,096	214	29	1,187	167	1,595	52%	3.98	5.70

### 2014 Mentored Youth Deer Harvest Projections

Last Revised:

5-May-15

Last Revised: 5-May-15																	
Unit	License Holders	Licenses Available	Licenses Sold			Response Rate	Hunter Success	Tag Success	Harvest Projections						Total Harvest	Average Satisfaction Score **	Avg Days Hunted
			Resident	Nonresident	Tags Sold				Whitetail			Mule Deer					
									Bucks	Does	Doe Fawns	Bucks	Does	Doe Fawns			
Statewide not Access units	3,079	Unlimited	3,079	0	3,079	79%	52%	52%	214	982	201	29	142	22	1,590	5.70	3.98
Access Permit Units	17	Unlimited	17	0	17	76%	67%	23%	0	1	1	0	3	0	5	6.17	1.17
Totals	3,096		3,096	0	3,096	79.3%		52%	214	984	203	29	145	22	1,595		

### 2014 Access Permit Mentored Youth Deer Harvest Projections

Last Revised:

19-Mar-15

Last Revised: 19-Mar-15																	
Unit	Permit Holders	Licenses Available	Permits Issued		Sold	Response Rate	Hunter Success	Tag Success	Harvest Projections						Total Harvest	Average Satisfaction Score **	Avg Days Hunted
			Resident	Nonresident					Whitetail			Mule Deer					
									Bucks	Does	Doe Fawns	Bucks	Does	Doe Fawns			
Custer Nat Forest	11	Unlimited	11	0	11	73%	67%	25%	0	0	0	0	3	0	3	6.00	1.00
Hill Ranch GPA	7	Unlimited	7	0	7	71%	0%	0%	0	0	0	0	0	0	0	7.00	2.00
Little Moreau GPA	5	Unlimited	5	0	5	80%	100%	50%	0	1	1	0	0	0	3	6.00	1.00
	17		23	0	23	76.5%	67%	23%	0	1	1	0	3	0	5	6.17	1.17

2 hunters in the regular Mentored Youth Survey who did not have an Access Permit reported harvesting deer in the Custer National Forest unit

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2014 Mentored Youth Deer Harvest Distribution by Management Unit																	
County	Reported Harvest							Projected Harvest									
	Whitetail			Mule Deer				Total	Whitetail			Mule Deer				Total	
	Bucks	Does	Fawn	Bucks	Does	Fawn	Bucks		Does	Fawn	Bucks	Does	Fawn				
01A (Minnehaha)	7	28	6	0	0	0	41	9	36	8	0	0	0	53	3.4%		
02A (NE Penn/SE Meade)	2	1	0	0	0	0	3	3	1	0	0	0	0	4	0.2%		
02C (SE Pennington)	2	7	1	0	4	1	15	3	9	1	0	5	1	19	1.2%		
03A (Brown)	1	19	3	0	0	0	23	1	24	4	0	0	0	30	1.9%		
04A (Beadle)	8	25	3	0	0	0	36	11	32	4	0	0	0	47	2.9%		
05A (Codington)	1	11	1	1	0	0	14	1	14	1	1	0	0	18	1.1%		
06A (Brookings)	2	20	1	0	0	0	23	3	26	1	0	0	0	30	1.9%		
07A (Yankton)	4	15	2	0	0	0	21	5	19	3	0	0	0	27	1.7%		
08A (Davison)	1	6	2	0	0	0	9	1	8	3	0	0	0	12	0.7%		
10A (Aurora)	1	22	3	0	0	0	26	1	28	4	0	0	0	34	2.1%		
11A (N Bennett)	1	0	0	0	3	0	4	1	0	0	0	4	0	5	0.3%		
11B (S Bennett)	0	2	0	0	1	0	3	0	3	0	0	1	0	4	0.2%		
12A (Bon Homme)	3	16	4	0	0	0	23	4	21	5	0	0	0	30	1.9%		
13A (Brule)	4	13	2	0	8	0	27	5	17	3	0	10	0	35	2.2%		
14A (Buffalo)	2	4	0	0	1	0	7	3	5	0	0	1	0	9	0.6%		
15A (Butte)	1	10	2	1	5	0	19	1	13	3	1	6	0	25	1.5%		
15B (SW Butte/Lawrence)	1	9	0	0	1	0	11	1	12	0	0	1	0	14	0.9%		
16A (Campbell)	2	2	0	1	0	0	5	3	3	0	1	0	0	7	0.4%		
17A (Charles Mix)	6	14	2	1	5	0	28	8	18	3	1	6	0	36	2.3%		
18A (Clark)	4	16	1	0	0	0	21	5	21	1	0	0	0	27	1.7%		
19A (Clay)	1	8	1	0	0	0	10	1	10	1	0	0	0	13	0.8%		
20A (Corson)	0	2	0	0	1	0	3	0	3	0	0	1	0	4	0.2%		
21A (E Custer/S Penn)	1	4	3	1	2	0	11	1	5	4	1	3	0	14	0.9%		
21B (C Custer/C Penn)	0	5	2	1	1	0	9	0	6	3	1	1	0	12	0.7%		
22A (Day)	3	7	1	0	0	0	11	4	9	1	0	0	0	14	0.9%		
23A (Deuel)	6	8	2	0	0	0	16	8	10	3	0	0	0	21	1.3%		
24A (Dewey)	0	1	2	1	1	0	5	0	1	3	1	1	0	7	0.4%		
24B (Little Moreau)	0	1	1	0	0	0	2	0	1	1	0	0	0	3	0.2%		
25A (Douglas)	2	10	1	0	0	0	13	3	13	1	0	0	0	17	1.1%		
26A (Edmunds)	4	14	1	0	0	0	19	5	18	1	0	0	0	25	1.6%		
27A (NW FRiver/SW Cust)	0	1	0	0	0	1	2	0	1	0	0	0	1	3	0.2%		
27B (Fall River)	1	5	1	1	4	1	13	1	6	1	1	5	1	17	1.1%		
27L (Hill Ranch Area)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%		
28A (Faulk)	3	8	0	0	0	0	11	4	10	0	0	0	0	14	0.9%		
29A (Grant)	1	12	7	0	0	0	20	1	15	9	0	0	0	26	1.6%		
30A,B (Gregory)	3	20	5	1	1	0	30	4	26	7	1	1	0	39	2.5%		
31A (Haakon)	2	4	1	1	4	0	12	3	5	1	1	5	0	16	1.0%		
32A (Hamlin)	5	22	4	0	0	0	31	7	28	5	0	0	0	40	2.5%		
33A (Hand)	2	19	5	0	0	0	26	3	24	7	0	0	0	34	2.1%		
34A (Hanson)	2	7	1	0	0	0	10	3	9	1	0	0	0	13	0.8%		
35A (W Harding)	1	2	0	2	3	1	9	1	3	0	3	4	1	12	0.7%		
35C (E Harding)	0	2	0	0	1	0	3	0	3	0	0	1	0	4	0.2%		
35L (Custer Nat Forest)	0	1	0	0	2	1	4	0	1	0	0	3	1	5	0.3%		
36A (Hughes)	1	6	2	2	1	0	12	1	8	3	3	1	0	16	1.0%		
37A (Hutchinson)	2	6	0	0	0	0	8	3	8	0	0	0	0	10	0.7%		
38A (Hyde)	3	4	2	0	0	0	9	4	5	3	0	0	0	12	0.7%		
39A (N Jackson)	0	5	0	1	1	0	7	0	6	0	1	1	0	9	0.6%		
39B (S Jackson)	0	3	0	0	2	0	5	0	4	0	0	3	0	6	0.4%		
40A (Jerauld)	0	9	2	0	1	0	12	0	12	3	0	1	0	16	1.0%		
41A (Jones)	0	2	0	1	5	0	8	0	3	0	1	6	0	10	0.6%		
42A (Kingsbury)	2	11	5	0	0	0	18	3	14	7	0	0	0	23	1.5%		
43A (Lake)	4	9	1	0	1	0	15	5	12	1	0	1	0	20	1.2%		
44A (Lincoln)	3	12	2	0	0	0	17	4	15	3	0	0	0	22	1.4%		
45A (W Lyman)	1	7	0	0	3	0	11	1	9	0	0	4	0	14	0.9%		
45B (E Lyman)	0	5	0	0	3	0	8	0	6	0	0	4	0	10	0.6%		
45C (NE Lyman/SE Stanley)	1	0	0	0	0	1	2	1	0	0	0	0	1	3	0.2%		
45D (Ft Pr Nat Grsind)	0	4	0	0	0	0	4	0	5	0	0	0	0	5	0.3%		
46A (McCook)	4	11	1	0	0	0	16	5	14	1	0	0	0	21	1.3%		
47A (McPherson)	1	4	3	0	0	0	8	1	5	4	0	0	0	10	0.7%		
48A (Marshall)	3	10	2	0	0	0	15	4	13	3	0	0	0	20	1.2%		
49A (W Meade)	1	13	3	1	1	0	19	1	17	4	1	1	0	25	1.6%		
49B (NE Meade)	0	4	0	1	1	2	8	0	5	0	1	1	3	10	0.6%		
50A,B (Mellette)	1	6	0	0	2	0	9	1	8	0	0	3	0	12	0.7%		
51A (Miner)	4	13	3	0	1	0	21	5	17	4	0	1	0	27	1.7%		
52A (Moody)	2	14	7	0	0	0	23	3	18	9	0	0	0	30	1.9%		
53A (N Perkins)	1	3	0	0	6	0	10	1	4	0	0	8	0	13	0.8%		
53C (S Perkins)	0	3	1	1	2	1	8	0	4	1	1	3	1	10	0.7%		
54A (Potter)	2	4	1	1	3	0	11	3	5	1	1	4	0	14	0.9%		
55A (Roberts)	4	19	5	0	0	0	28	5	24	7	0	0	0	36	2.3%		
56A (Sanborn)	1	4	0	0	0	0	5	1	5	0	0	0	0	6	0.4%		
57A (Spink)	2	19	4	0	0	0	25	3	24	5	0	0	0	32	2.0%		
58A (Stanley)	1	1	1	0	4	0	7	1	1	1	0	5	0	9	0.6%		
59A (W Sully)	0	7	0	0	3	0	10	0	9	0	0	4	0	13	0.8%		
59B (E Sully)	2	4	0	0	0	0	6	3	5	0	0	0	0	8	0.5%		
60A (Tripp)	2	7	1	1	6	1	18	3	9	1	1	8	1	23	1.5%		
61A (Turner)	4	12	1	0	0	0	17	5	15	1	0	0	0	22	1.4%		
62A (Union)	2	22	4	0	0	0	28	3	28	5	0	0	0	36	2.3%		
63A (Walworth)	3	8	1	0	0	1	13	4	10	1	0	0	1	17	1.1%		
64A (Ziebach)	0	2	0	0	0	0	2	0	3	0	0	0	0	3	0.2%		
65A (Shannon)	1	2	0	0	1	1	5	1	3	0	0	1	1	6	0.4%		
67A (Todd)	1	2	0	0	0	0	3	1	3	0	0	0	0	4	0.2%		
BH (Black Hills)	11	82	29	1	16	5	144	15	106	38	1	20	6	187	11.8%		
Unknown	9	14	7	1	1	0	32										
TOTALS	169	776	159	23	112	17	1,256	214	984	203	29	145	22	1,595			
Any by management unit projected harvest values will differ from statewide projected harvest values due to incorrect sampling proportions within units.																	
Use these figures for approximations only!																	

# **MUZZLELOADER DEER**

There were 2,200 antlerless deer licenses (2,060 resident, 140 nonresident) and 1,013 “any deer” licenses issued for the 2014 Muzzleloader Deer season, which represented a total of 3,213 tags. A sample of 3,147 hunters were surveyed and 2,465 responded for a response rate of 78%. Approximately 65% of muzzleloader hunters used the Internet to respond.

The 2014 Muzzleloader season was open from December 1, 2014 through January 15, 2015, however only unfilled antlerless tags were valid from Jan. 1-15. This was the tenth year that “any deer” licenses were available for the muzzleloader season with 5,861 applicants. The number of “any deer” licenses available was increased to 1,000 in 2008. Respondents averaged 3.79 days of hunting for a projected total of 12,044 recreation days for the season.

The estimated harvest for the Muzzleloader season was 829 deer (235 whitetail bucks, 498 whitetail does, 85 mule deer bucks, and 11 mule deer does). The overall success rate for the muzzleloader season was 26% and average satisfaction was 4.58 (1 = very dissatisfied, 7 = very satisfied).

The five deer management units with the highest reported harvest were Gregory, Black Hills, Kingsbury, Aurora, and Brown, accounting for approximately 28% of the total season harvest.

## Summary comparison of the 2006-2014 Muzzleloader Deer seasons

YEAR	Licenses Sold		Harvest						Avg Days Hunted	Average Satisfctn
			Bucks		Does		Total	Success		
	Res	Nonres	WT	Mule	WT	Mule				
2006	4,687	248	346	57	1,605	385	2,393	32%	5.88	4.95
2007	4,899	284	444	66	1,928	402	2,840	36%	5.38	4.91
2008	5,520	336	600	156	2,436	502	3,693	43%	5.38	5.03
2009	5,406	361	461	88	1,786	327	2,553	34%	4.49	4.87
2010	5,509	374	546	101	1,991	280	2,919	38%	4.48	4.98
2011	4,747	265	308	83	1,113	216	1,720	26%	4.82	4.36
2012	4,856	288	433	115	1,218	211	1,977	29%	4.51	4.75
2013	4,350	286	312	62	821	146	1,340	23%	4.14	4.57
2014	3,073	140	235	85	498	11	829	26%	3.79	4.58

## 2014 Muzzleloader Deer Harvest Projections

Last Revised: 4-May-15	Harvest Projections																		Avg Days Hunted	Avg Satisf
	License Holders	Licenses Available	Licenses Sold			Response Rate	Hunter Success	Tag Success	Whitetail				Mule Deer				Total Deer Harvest			
			Resident	Nonresident	Tags Sold				Bucks		Does		Bucks		Does					
									Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn				
Unit																				
Statewide not Access units	3,116	Unlimited	3,018	137	3,155	78%	26%	26%	170	65	443	53	80	0	9	1	821	3.79	4.58	
Access Permit Units	58	Unlimited	55	3	58	90%	24%	10%	0	0	2	0	5	0	1	0	8	2.60	5.53	
Totals	3,174		3,073	140	3,213	78.3%		26%	170	65	445	53	85	0	10	1	829			

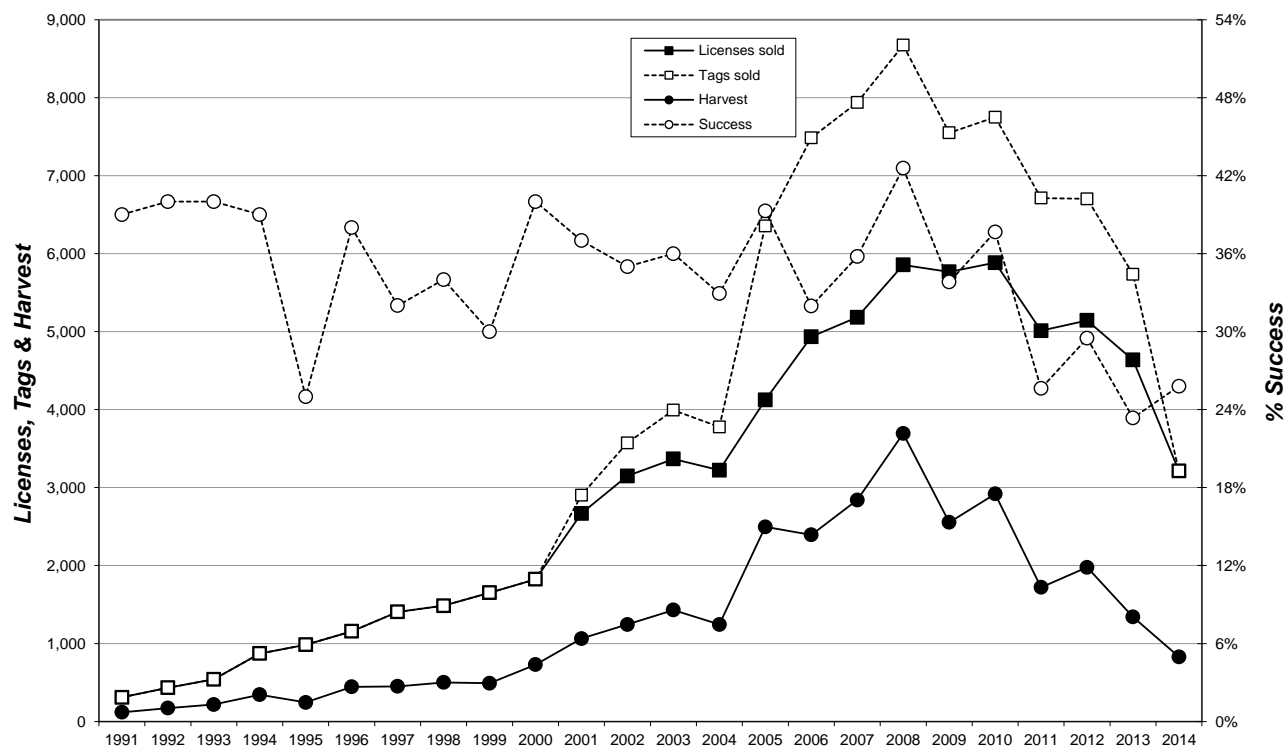
## 2014 Access Permit Muzzleloader Deer Harvest Projections

Last Revised: 18-Mar-15	Harvest Projections																		Total Deer Harvest	Avg Days Hunted	Avg Satisf
	Permit Holders	Licenses Available	Permits Issued			Response Rate	Hunter Success	Permit Success	Whitetail				Mule Deer								
									Bucks		Does		Bucks		Does						
									Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn					
									Unit			Resident	Nonresident	Sold							
Custer Nat Forest	27	Unlimited	27	0	27	85%	25%	13%	0	0	0	0	4	0	0	0	4	2.67	5.33		
Hill Ranch GPA	19	Unlimited	19	0	19	89%	33%	12%	0	0	0	0	1	0	1	0	2	2.17	5.17		
Little Moreau GPA	30	Unlimited	27	3	30	93%	18%	7%	0	0	2	0	0	0	0	0	2	2.77	5.73		
	58		73	3	76	89.7%	24.1%	10%	0	0	2	0	5	0	1	0	8	2.60	5.53		

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2014 Muzzleloader Deer Harvest Distribution by Management Unit																				
Last Revised: 04-May-15		Reported Harvest								Projected Harvest										
		Whitetail				Mule Deer				Total	Whitetail				Mule Deer				Total	
		Bucks		Does		Bucks		Does			Bucks		Does							
County	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	Total	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	Estimate	%	
01A (Minnehaha)	1	1	6	0	0	0	0	0	8	1	1	8	0	0	0	0	10	1.3%		
02A (NE Penn/SE Meade)	2	0	7	1	2	0	0	0	12	3	0	9	1	3	0	0	16	1.9%		
02C (SE Pennington)	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	1	0.2%		
03A (Brown)	0	3	26	1	0	0	0	0	30	0	4	34	1	0	0	0	39	4.7%		
04A (Beadle)	3	0	16	3	0	0	0	0	22	4	0	21	4	0	0	0	29	3.4%		
05A (Codington)	2	0	0	1	0	0	0	0	3	3	0	0	1	0	0	0	4	0.5%		
06A (Brookings)	4	1	3	2	0	0	0	0	10	5	1	4	3	0	0	0	13	1.6%		
07A (Yankton)	3	0	1	0	0	0	0	0	4	4	0	1	0	0	0	0	5	0.6%		
08A (Davison)	1	0	1	0	0	0	0	0	2	1	0	1	0	0	0	0	3	0.3%		
10A (Aurora)	2	1	17	6	0	0	0	0	26	3	1	22	8	0	0	0	34	4.1%		
11A (N Bennett)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%		
11B (S Bennett)	1	0	1	0	0	0	0	0	2	1	0	1	0	0	0	0	3	0.3%		
12A (Bon Homme)	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0.2%		
13A (Brule)	1	0	13	0	1	0	1	0	16	1	0	17	0	1	0	2	21	2.5%		
14A (Buffalo)	0	1	1	0	0	0	0	0	2	0	1	1	0	0	0	0	3	0.3%		
15A (Butte)	0	0	0	1	4	0	0	0	5	0	0	0	1	5	0	0	7	0.8%		
15B (SW Butte/Lawrence)	2	1	13	0	0	0	0	0	16	3	1	17	0	0	0	0	21	2.5%		
16A (Campbell)	0	0	2	0	0	0	0	0	2	0	0	3	0	0	0	0	3	0.3%		
17A (Charles Mix)	1	0	0	0	2	0	0	0	3	1	0	0	0	3	0	0	4	0.5%		
18A (Clark)	3	1	2	0	0	0	0	0	6	4	1	3	0	0	0	0	8	0.9%		
19A (Clay)	1	0	1	0	0	0	0	0	2	1	0	1	0	0	0	0	3	0.3%		
20A (Corson)	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	1	0.2%		
21A (E Custer/S Penn)	2	0	1	0	2	0	1	0	6	3	0	1	0	3	0	2	8	1.0%		
21B (C Custer/C Penn)	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	1	0.2%		
22A (Day)	2	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	3	0.3%		
23A (Deuel)	2	1	2	0	0	0	0	0	5	3	1	3	0	0	0	0	7	0.8%		
24A (Dewey)	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0.2%		
24B (Little Moreau)	0	0	2	0	0	0	0	0	2	0	0	2	0	0	0	0	2	0.2%		
25A (Douglas)	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0.2%		
26A (Edmunds)	0	0	8	1	0	0	0	0	9	0	0	10	1	0	0	0	12	1.4%		
27A (NW FRiver/SW Cust)	0	0	0	0	2	0	0	0	2	0	0	0	0	3	0	0	3	0.3%		
27B (Fall River)	1	0	0	0	1	0	1	0	3	1	0	0	0	1	0	2	4	0.5%		
27L (Hill Ranch Area)	0	0	0	0	1	0	1	0	2	0	0	0	0	1	0	1	2	0.2%		
28A (Faulk)	1	0	3	0	0	0	0	0	4	1	0	4	0	0	0	0	5	0.6%		
29A (Grant)	1	1	1	0	0	0	0	0	3	1	1	1	0	0	0	0	4	0.5%		
30A,B (Gregory)	6	7	29	5	0	0	1	0	48	8	9	38	6	0	0	2	63	7.6%		
31A (Haakon)	2	1	7	0	1	0	0	0	11	3	1	9	0	1	0	0	14	1.7%		
32A (Hamlin)	1	1	0	0	0	0	0	0	2	1	1	0	0	0	0	0	3	0.3%		
33A (Hand)	1	1	11	0	0	0	0	0	13	1	1	14	0	0	0	0	17	2.0%		
34A (Hanson)	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0.2%		
35A (W Harding)	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	1	0.2%		
35C (E Harding)	1	0	0	0	4	0	0	0	5	1	0	0	0	5	0	0	7	0.8%		
35L (Custer Nat Forest)	0	0	1	0	5	0	0	0	6	0	0	1	0	7	0	0	8	1.0%		
36A (Hughes)	0	1	3	0	2	0	0	1	7	0	1	4	0	3	0	0	9	1.1%		
37A (Hutchinson)	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0.2%		
38A (Hyde)	0	1	1	0	0	0	0	0	2	0	1	1	0	0	0	0	3	0.3%		
39A (N Jackson)	2	0	2	0	0	0	1	0	5	3	0	3	0	0	0	2	7	0.8%		
39B (S Jackson)	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0.2%		
40A (Jerauld)	2	2	9	1	0	0	0	0	14	3	3	12	1	0	0	0	18	2.2%		
41A (Jones)	3	0	1	0	1	0	0	0	5	4	0	1	0	1	0	0	7	0.8%		
42A (Kingsbury)	3	3	23	1	0	0	0	0	30	4	4	30	1	0	0	0	39	4.7%		
43A (Lake)	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	1	0.2%		
44A (Lincoln)	2	0	2	0	0	0	0	0	4	3	0	3	0	0	0	0	5	0.6%		
45A (W Lyman)	3	3	2	3	2	0	0	0	13	4	4	3	4	3	0	0	17	2.1%		
45B (E Lyman)	1	1	11	1	1	0	0	0	15	1	1	14	1	1	0	0	20	2.4%		
45C (NE Lyman/SE Stanley)	1	1	0	0	1	0	0	0	3	1	1	0	0	1	0	0	4	0.5%		
45D (Ft Pr Nat Grslnd)	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0.2%		
46A (McCook)	2	0	2	0	0	0	0	0	4	3	0	3	0	0	0	0	5	0.6%		
47A (McPherson)	1	0	7	2	0	0	0	0	10	1	0	9	3	0	0	0	13	1.6%		
48A (Marshall)	2	0	1	0	0	0	0	0	3	3	0	1	0	0	0	0	4	0.5%		
49A (W Meade)	4	0	1	0	2	0	0	0	7	5	0	1	0	3	0	0	9	1.1%		
49B (NE Meade)	3	0	0	1	1	0	0	0	5	4	0	0	1	1	0	0	7	0.8%		
50A,B (Mellette)	1	0	3	0	2	0	0	0	6	1	0	4	0	3	0	0	8	1.0%		
51A (Miner)	4	2	14	0	0	0	0	0	20	5	3	18	0	0	0	0	26	3.2%		
52A (Moody)	5	0	2	0	0	0	0	0	7	7	0	3	0	0	0	0	9	1.1%		
53A (N Perkins)	0	0	0	0	1	0	1	0	2	0	0	0	0	1	0	2	3	0.3%		
53C (S Perkins)	0	0	1	0	2	0	0	0	3	0	0	1	0	3	0	0	4	0.5%		
54A (Potter)	2	0	7	0	1	0	0	0	10	3	0	9	0	1	0	0	13	1.6%		
55A (Roberts)	6	1	2	1	0	0	0	0	10	8	1	3	1	0	0	0	13	1.6%		
56A (Sanborn)	0	1	11	0	0	0	0	0	12	0	1	14	0	0	0	0	16	1.9%		
57A (Spink)	2	2	11	3	0	0	0	0	18	3	3	14	4	0	0	0	23	2.8%		
58A (Stanley)	0	1	3	0	0	0	0	0	4	0	1	4	0	0	0	0	5	0.6%		
59A (W Sully)	4	0	10	0	4	0	0	0	18	5	0	13	0	5	0	0	24	2.9%		
59B (E Sully)	0	1	0	1	0	0	0	0	2	0	1	0	1	0	0	0	3	0.3%		
60A (Tripp)	2	3	14	3	2	0	0	0	24	3	4	18	4	3	0	0	31	3.8%		
61A (Turner)	3	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	4	0.5%		
62A (Union)	2	2	6	0	0	0	0	0	10	3	3	8	0	0	0	0	13	1.6%		
63A (Walworth)	0	2	4	0	0	0	0	0	6	0	3	5	0	0	0	0	8	1.0%		
64A (Ziebach)	0	0	0	0	2	0	0	0	2	0	0	0	0	3	0	0	3	0.3%		
65A (Shannon)	1	0	0	0	1	0	0	0	2	1	0	0	0	1	0	0	3	0.3%		
67A (Todd)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%		
BH (Black Hills)	18	0	12	2	9	0	0	0	41	24	0	16	3	12	0	0	54	6.5%		
Unknown	2	2	2	0	3	0	1	0	10											
TOTALS	132	50	345	41	66	0	8	1	643	170	65	445	53	85	0	10	1	829		
Any by management unit projected harvest values will differ from statewide projected harvest values due to incorrect sampling proportions within units. Use these figures for approximations only!																				

## Muzzleloader Deer 1991-2014



## **LANDOWNER FREE ANTLERLESS DEER**

There were no free single-tag antlerless licenses available to resident landowners for the 2014 West River Deer, East River Deer, Archery Deer, Muzzleloader Deer, and Youth Deer hunting seasons.

Summary of the 2011-2014 Free Landowner Antlerless Deer license statistics

YEAR	Licenses Sold	Harvest						Avg Days Hunted	Average Satisfctn
		Bucks		Does		Total	Success		
		WT	Mule	WT	Mule				
2011	2,005	91	9	709	104	913	46%	3.80	4.78
2012	1,271	30	0	479	37	546	43%	3.02	4.92
2013	1,390	35	3	359	32	430	31%	3.50	4.72
2014	0	0	0	0	0	0			

## **WEST RIVER FIREARM DEER**

There were 22,771 licenses issued for the 2014 West River Firearm Deer season (19,828 regular, 1,000 Special Buck and 1,943 Landowner Own Land Only) for a total of 25,749 tags.

The West River season was open 16 days from November 15-30 in most units and from November 1-23 in Corson, Dewey and Ziebach counties. Units 50A in Mellette County and 30A in Gregory County were open from Nov. 1-4 and 17-23, while units 50B and 30B were open from November 15-30. The season was also open from December 27, 2014 - January 4, 2015 for all unfilled antlerless deer tags.

A random sample of 8,817 hunters was taken from the regular West River season, 1,937 from the Landowner Own Land Only licenses, and 1,000 from the Special Buck licenses. All hunters that listed an email address were surveyed using Qualtrics for the first attempt. Approximately 65% of regular season, 43% of Landowner Own Land, and 61% of Special Buck hunters surveyed through Qualtrics responded. All hunters who did not respond or did not supply an email address were mailed paper surveys which could be responded to either online or through the mail. Final response rates were 81% for regular West River Deer, 71% for Landowner Own Land and 83% for Special Buck. Of all responding hunters, 71% of regular West River, 44% of Landowner Own Land and 69% of Special Buck hunters responded over the Internet.

Respondents reported hunting an average of 3.25 days in the regular West River season, 3.94 days for landowner and 3.40 days in the Special Buck. These averages projected to a total of 71,333 recreation days for all West River deer seasons. Hunters reported harvesting approximately 99% of their deer during the regular season and 1% during December 27 - January 4.

The West River projected deer harvest was 11,607 for the regular season, 1,271 for landowner on own land, and 764 for the Special Buck licenses. Success rates were 54% for the regular season, 40% for landowner and 76% for Special Buck.

Success for the regular West River season "any deer and any antlerless deer" and "any whitetail and antlerless whitetail" license 1<sup>st</sup> tags (any) was 55% and for 2<sup>nd</sup> (antlerless only) tags was 38%. Success for "any antlerless deer and any antlerless deer" and "antlerless whitetail and antlerless whitetail" license 1<sup>st</sup> tags was 35% and for 2<sup>nd</sup> tags was 20%. No triple-tag licenses were available in 2014.

The mean satisfaction score for those responding to the regular West River season was 4.88 (1 being very dissatisfied and 7 very satisfied).

### Summary comparison of the 2007-2014 West River Deer seasons (including Special Buck and Landowner)

YEAR	Licenses Sold				Harvest					Tag Success	Avg Days	Avg Satis
	Resident		Nonres		Bucks		Does					
	Lics	Tags	Lics	Tags	WT	Mule	WT	Mule	Total			
2007	26,271	46,805	3,413	6,370	8,138	7,721	7,009	6,232	29,100	55%	3.54	5.19
2008	26,533	48,770	4,064	7,256	8,621	7,560	8,081	6,256	30,518	54%	3.42	5.29
2009	26,999	61,947	4,391	9,798	10,319	7,224	10,036	7,281	34,862	49%	3.55	5.22
2010	27,655	59,674	4,259	9,146	11,009	5,759	11,665	5,537	33,970	49%	3.53	5.21
2011	25,917	57,091	3,978	8,645	11,139	4,456	12,301	3,901	31,797	48%	3.64	5.00
2012	22,511	44,080	3,143	6,173	8,606	3,650	8,946	2,391	23,594	47%	3.63	4.96
2013	22,422	44,118	3,216	6,257	7,749	3,358	5,785	1,678	18,570	37%	3.56	4.46
2014	20,736	23,533	2,035	2,216	7,646	3,246	2,415	334	13,642	53%	3.25	4.88

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## 2014 West River Deer Harvest Projections

Unit	Licenses				Tags sold	Hunters	Response Rate	Hunter Success	Tag Success	Harvest Projections								Total Deer Harvested	CI (95%)	Mean Satisf Rating	Average Days Hunted
	Resident		Nonresident							Whitetail				Mule Deer							
	Avail.	Sold	Avail.	Sold						Bucks		Does		Bucks		Does					
										Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn				
Penn NE / Meade SE	700	696	56	55	967	751	77%	54%	46%	167	9	43	6	190	0	26	3	443	+/-47	4.92	3.46
Pennington SE	150	151	12	12	163	163	83%	52%	52%	32	0	9	0	41	0	3	0	85	+/-7	4.82	2.71
Bennett N	250	240	20	30	270	250	82%	55%	54%	87	0	11	5	38	2	5	0	146	+/-12	5.16	3.15
Bennett S	200	199	16	16	215	215	79%	56%	56%	93	1	6	0	19	0	0	0	120	+/-10	5.17	3.43
Butte	800	796	64	74	1,629	864	74%	64%	49%	389	36	280	46	33	0	16	0	801	+/-82	4.88	3.89
Butte SW/ Lawrence	750	749	60	61	918	801	83%	62%	60%	324	20	112	14	73	0	3	3	547	+/-42	5.02	3.93
Corson	400	401	32	32	433	433	83%	61%	61%	183	4	25	0	52	0	2	0	265	+/-19	4.75	4.04
Custer E / Penn S	350	353	28	28	381	381	78%	63%	64%	170	6	15	2	42	0	8	2	244	+/-17	5.03	3.80
Custer C / Penn C	100	101	8	8	109	109	84%	74%	74%	51	0	7	0	23	0	0	0	81	+/-4	5.39	4.17
Dewey	450	434	36	52	486	447	81%	49%	48%	110	8	59	14	41	0	2	0	234	+/-23	4.22	3.34
Little Moreau	20	20	2	2	22	22	91%	85%	85%	10	0	7	2	0	0	0	0	19	+/-1	5.40	2.70
FRiver NW/ Cust SW	100	101	8	8	109	109	85%	57%	57%	18	0	2	0	37	0	5	0	62	+/-4	5.00	3.59
Fall River	400	403	32	31	434	434	75%	54%	56%	126	9	21	0	73	0	13	0	242	+/-22	4.72	3.43
Fall River Special	15	16	2	2	18	18	89%	69%	69%	8	0	1	0	3	0	0	0	12	+/-1	5.13	2.63
Gregory	1,600	1,607	128	127	1,734	1,733	82%	51%	51%	671	5	150	25	30	0	10	0	892	+/-82	4.82	3.32
Haakon	900	883	72	93	976	906	81%	64%	61%	248	3	78	6	238	9	6	6	596	+/-45	5.13	3.04
Harding W	300	305	24	24	329	329	82%	68%	68%	136	2	7	2	73	0	5	0	225	+/-14	4.92	2.83
Harding E	300	301	24	24	325	325	80%	49%	49%	97	3	21	5	24	0	7	0	158	+/-15	4.55	2.81
Harding Special	100	99	8	8	107	107	85%	62%	62%	6	0	1	0	56	0	2	0	66	+/-4	5.43	2.74
Jackson N	350	348	28	32	380	353	82%	54%	52%	103	7	19	0	66	0	3	0	199	+/-17	4.78	2.80
Jackson S	300	288	24	36	324	302	86%	71%	69%	104	2	16	0	92	0	11	0	224	+/-13	5.18	3.06
Jones	700	632	56	125	757	600	79%	61%	56%	255	10	61	12	73	2	15	0	428	+/-36	5.14	3.41
Lyman W	800	762	64	104	1,515	789	76%	56%	41%	291	21	213	27	54	0	9	0	615	+/-73	5.12	3.90
Lyman E	300	298	24	25	323	318	83%	54%	55%	97	12	42	12	10	2	2	2	176	+/-14	4.84	2.92
Lyman NE / Stanley SE	50	47	5	6	75	47	83%	62%	47%	10	0	11	5	10	0	0	0	35	+/-5	5.49	3.41
Ft Pr Nat Grslnd	90	94	8	8	102	102	85%	57%	57%	45	0	1	0	12	0	0	1	59	+/-4	4.89	3.20
Meade W	850	848	68	71	919	891	74%	59%	60%	350	10	57	0	121	3	7	0	548	+/-46	5.01	3.62
Meade NE	1,100	1,043	88	152	1,195	1,083	79%	48%	48%	339	4	7	7	197	0	15	0	569	+/-58	4.52	2.89
Mellette	1,050	975	84	160	1,135	966	82%	54%	52%	291	26	138	19	93	6	10	3	585	+/-53	4.74	2.93
Perkins N	650	649	52	52	701	701	84%	51%	52%	180	8	23	8	129	10	10	0	367	+/-32	4.35	2.92
Perkins S	1,100	1,016	88	173	1,189	966	81%	57%	53%	263	29	104	13	185	7	16	7	624	+/-56	4.90	2.77
Stanley	550	551	44	48	599	563	85%	46%	46%	140	11	61	4	53	2	4	0	276	+/-27	4.67	2.97
Oahe Dwnstrm	10	8	2	2	10	9	100%	67%	60%	1	1	3	1	0	0	0	0	6	+/-0	5.13	1.56
Tripp	1,800	1,695	144	255	1,950	1,699	79%	70%	65%	718	46	346	21	119	0	15	0	1,265	+/-90	5.11	3.15
Ziebach	500	459	40	81	540	489	83%	48%	46%	141	6	19	0	75	0	10	0	251	+/-25	4.56	3.17
Shannon	75	75	6	6	81	81	81%	59%	61%	28	0	1	0	15	0	5	0	49	+/-4	4.85	3.45
Todd	150	150	12	12	162	162	84%	57%	58%	62	1	9	3	16	0	4	0	94	+/-6	5.14	2.67
Totals	18,310	17,793	1,469	2,035	21,582	18,518	80.7%	57%	54%	6,343	298	1,986	258	2,404	44	248	26	11,607	+/-1,011	4.88	3.25
The response rate for all units combined was:			81%																		

### 2014 West River Deer harvest by date

	Total	Nov 1-30	Dec 27 - Jan 4
Reports	3,832	3,810	22
Percent of total		99%	1%
Projected	11,607	11,540	67

### 2014 West River Deer antlerless harvest by date

	Total	Nov 1-30	Dec 27 - Jan 4
Percent of total		98%	2%
Projected	2,860	2,794	67

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## 2014 West River Deer Harvest Projections

Last Revised: 27-Apr-15																		
Unit/Type	Licenses								Harvest Projections									
	Resident			Nonresident			Response	Success	1st tag	2nd tag	Whitetail				Mule Deer			
	Appl. 1st Choice *	Avail.	Sold	Appl. 1st Choice *	Avail.	Sold					Bucks		Does		Bucks		Does	
							Rate				Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn
																		Harvest
02A-01	641	500	496	89	40	39	79%	57%			89	0	9	2	190	0	26	3
02A-18	52	200	200	4	16	16	69%	39%	26%		78	9	34	3	0	0	0	0
02C-01	347	100	102	39	8	8	85%	55%			15	0	4	0	41	0	1	0
02C-11	12	50	49	4	4	4	78%	45%			17	0	5	0	0	0	1	0
11A-01	150	150	150	8	12	12	82%	60%			47	0	3	2	38	2	5	0
11A-11	2	100	90	3	8	18	82%	46%			41	0	7	3	0	0	0	0
11B-01	168	100	99	24	8	8	82%	66%			46	1	4	0	19	0	0	0
11B-11	20	100	100	6	8	8	76%	46%			47	0	2	0	0	0	0	0
15A-01	539	100	101	59	8	10	71%	76%			42	0	4	0	33	0	3	0
15A-18	367	550	553	56	44	44	75%	65%	46%		344	30	236	36	0	0	13	0
15A-19	32	150	142	21	12	20	76%	21%	15%		3	7	41	10	0	0	0	0
15B-01	557	650	651	62	52	51	82%	66%			324	11	43	3	73	0	3	3
15B-19	60	100	98	13	8	10	94%	50%	29%		0	8	68	11	0	0	0	0
20A-01	364	100	101	44	8	8	83%	66%			25	0	0	0	49	0	2	0
20A-11	125	300	300	31	24	24	83%	60%			158	4	25	0	2	0	0	0
21A-01	571	150	154	26	12	12	76%	62%			50	2	2	0	42	0	8	0
21A-11	132	200	199	18	16	16	83%	65%			119	4	13	2	0	0	0	2
21B-01	229	100	101	18	8	8	84%	74%			51	0	7	0	23	0	0	0
24A-01	269	100	100	33	8	8	86%	60%			23	0	4	2	38	0	2	0
24A-11	111	250	250	35	20	20	77%	47%			83	5	28	9	3	0	0	0
24A-13	7	100	84	8	8	24	82%	38%			4	3	27	3	0	0	0	0
24B-11	75	10	10	9	1	1	100%	81%			10	0	0	0	0	0	0	0
24B-13	1	10	10	1	1	1	82%	89%			0	0	7	2	0	0	0	0
27A-01	366	100	101	32	8	8	85%	57%			18	0	2	0	37	0	5	0
27B-01	568	200	203	53	16	16	76%	61%			40	0	4	0	73	0	13	0
27B-11	68	200	200	9	16	15	75%	51%			86	9	17	0	0	0	0	0
27L-01	100	15	16	16	2	2	89%	69%			8	0	1	0	3	0	0	0
30A-01	502	150	155	50	12	12	82%	51%			67	0	0	0	11	0	5	0
30A-11	321	600	600	59	48	48	81%	49%			234	0	77	5	0	0	5	0
30A-13	7	50	51	13	4	4	80%	42%			0	0	10	15	0	0	0	0
30B-01	480	150	151	56	12	11	79%	65%			90	0	0	0	14	0	0	0
30B-11	316	600	600	99	48	48	86%	54%			281	0	63	5	5	0	0	0
30B-13	18	50	50	14	4	4	50%	20%			0	5	0	0	0	0	0	0
31A-01	828	600	603	142	48	48	80%	67%			169	0	15	0	235	9	6	6
31A-11	7	150	149	15	12	12	78%	62%			75	3	12	6	4	0	0	0
31A-13	3	150	131	7	12	33	77%	38%			4	0	52	0	0	0	0	0
35A-01	475	150	155	83	12	12	80%	71%			41	0	0	0	72	0	4	0
35A-11	35	150	150	15	12	12	84%	65%			95	2	7	2	2	0	2	0
35C-01	272	50	51	55	4	4	86%	62%			7	0	0	0	24	0	7	0
35C-11	113	250	250	20	20	20	78%	46%			90	3	21	5	0	0	0	0
35L-01	584	100	99	76	8	8	85%	62%			6	0	1	0	56	0	2	0
39A-01	329	200	202	44	16	16	83%	56%			51	5	2	0	64	0	3	0
39A-11	12	100	100	5	8	8	86%	58%			52	2	5	0	2	0	0	0
39A-13	2	50	46	1	4	8	79%	25%			0	0	12	0	0	0	0	0
39B-01	235	200	200	29	16	16	87%	78%			60	2	6	0	90	0	11	0
39B-11	5	100	88	6	8	20	76%	51%			44	0	9	0	2	0	0	0
41A-01	362	300	301	54	24	24	78%	67%			123	0	7	0	73	2	15	0
41A-11	14	250	207	42	20	63	72%	51%			128	4	4	0	0	0	0	0
41A-13	6	150	124	3	12	38	55%	45%			5	6	51	12	0	0	0	0
45A-01	377	200	201	52	16	16	78%	55%			52	0	7	0	54	0	3	0
45A-18	129	450	428	45	36	60	76%	50%	34%		227	13	140	16	0	0	0	0
45A-19	9	150	133	8	12	28	67%	33%	17%		11	8	66	11	0	0	6	0
45B-01	217	50	50	43	4	4	78%	64%			14	2	2	2	10	2	2	2
45B-11	166	200	200	9	16	15	85%	53%			83	5	23	5	0	0	0	0
45B-13	3	50	48	2	4	6	80%	50%			0	5	17	5	0	0	0	0
45C-01	35	30	28	4	3	3	89%	64%			8	0	2	0	10	0	0	0
45C-19	1	20	19	0	2	3	71%	55%	27%		1	0	9	5	0	0	0	0
45D-01	203	30	34	19	3	3	84%	65%			11	0	0	0	12	0	0	1
45D-11	143	60	60	18	5	5	86%	53%			34	0	1	0	0	0	0	0
49A-01	572	700	701	57	56	56	76%	61%			283	6	45	0	121	3	7	0
49A-11	20	150	147	7	12	15	68%	51%			66	4	12	0	0	0	0	0
49B-01	740	700	708	111	56	56	78%	50%			193	4	0	3	168	0	15	0
49B-11	9	400	335	8	32	96	77%	42%			146	0	7	4	29	0	0	0
50A-01	292	150	150	31	12	12	73%	54%			23	0	5	0	42	0	6	3
50A-11	26	200	195	14	16	21	84%	36%			63	5	10	3	0	0	0	0
50A-13	0	100	88	2	8	20	69%	43%			5	0	34	4	0	0	0	0
50B-01	408	250	250	94	20	20	82%	63%			94	0	15	3	51	0	4	0
50B-11	19	250	223	17	20	47	69%	53%			100	15	31	4	0	0	0	0
50B-13	2	100	69	16	8	40	61%	55%			5	6	42	5	0	0	0	0

(Continued next page)

**South Dakota Game Report No 2015-06 - 2014 Big Game Harvest Projections**  
 Corey Huxoll

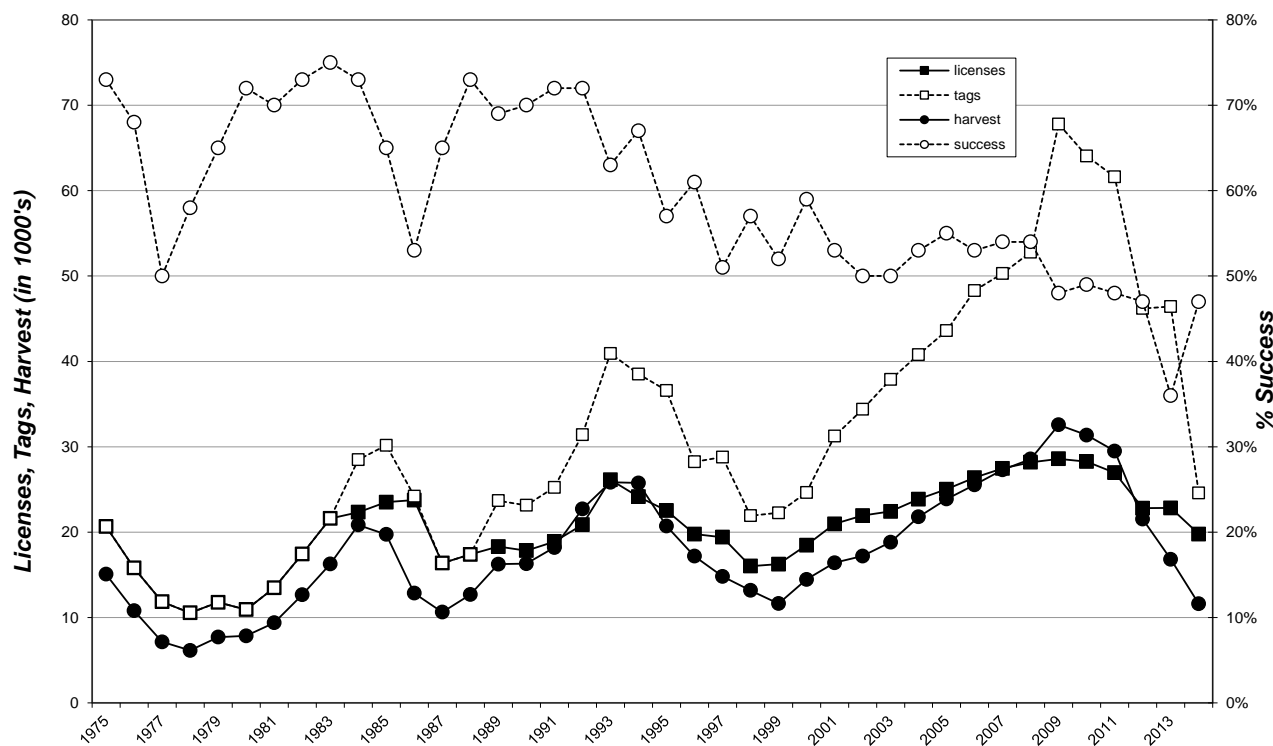
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Last Revised: 27-Apr-15	Licenses							Harvest Projections												Total Deer Harvest
	Resident			Nonresident				Response	Success	Whitetail				Mule Deer						
	App'l. 1st		Sold	App'l. 1st		Sold	Bucks			Does		Bucks		Does						
	Choice *	Avail.		Choice *	Avail.		Adult			Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn				
53A-01	667	300	299	95	24	24	82%	62%		54	2	2	0	129	5	10	0	199		
53A-11	72	350	350	36	28	28	86%	44%		126	5	20	8	0	5	0	0	167		
53C-01	541	500	501	100	40	40	86%	64%		117	3	27	0	185	3	16	0	347		
53C-11	36	300	273	19	24	51	74%	49%		140	4	9	0	0	3	0	0	158		
53C-13	4	300	242	8	24	82	48%	37%		6	22	68	13	0	0	0	0	119		
58A-01	652	150	154	59	12	12	89%	66%		45	0	8	0	53	0	4	0	110		
58A-11	53	200	200	23	16	16	80%	50%		95	3	5	0	0	0	0	0	108		
58A-13	10	200	197	6	16	20	80%	26%		0	8	48	4	0	2	0	0	57		
58D-01	11	5	4	1	1	1	100%	60%		1	0	2	0	0	0	0	0	3		
58D-03	0	5	4	0	1	1	80%	60%		0	1	1	1	0	0	0	0	3		
60A-01	1,096	600	605	158	48	48	80%	69%		281	13	26	0	119	0	15	0	453		
60A-11	179	700	700	70	56	56	79%	66%		429	9	72	0	0	0	0	0	499		
60A-13	39	500	390	36	40	151	62%	58%		8	25	248	21	0	0	0	0	313		
64A-01	258	300	300	50	24	24	82%	50%		69	0	10	0	72	0	10	0	162		
64A-11	3	200	159	11	16	57	71%	41%		72	6	9	0	2	0	0	0	88		
65A-01	80	75	75	15	6	6	82%	61%		28	0	1	0	15	0	5	0	49		
67A-01	128	150	150	14	12	12	85%	58%		62	1	9	3	16	0	4	0	94		
Totals	18,059	18,310	17,793	2,867	1,469	2,035	79.3%	1st tag	2nd tag	6,343	298	1,986	258	2,404	44	248	26	11,607		
					Types 08/18=			55%	38%											
					Types 09/19=			35%	20%											
* Number of 1st drawing applicants with that season as 1st choice.																				

\* Number of 1st drawing applicants with that season as 1st choice.

## West River Deer Regular Season 1975-2014

(does not include Special Buck or Landowner Own Land)



## 2014 West River LOL Harvest Projections

Last Revised: 27-Apr-15

Last Revised: 27-Apr-15							Harvest Projections										Total Deer Harvest	Mean Satisfactn Rating	Average Days Hunted
Unit/Type	Licenses		Tags sold	Response Rate	Hunter Success	Tag Success	Whitetail				Mule Deer								
	Avail.	Sold					Bucks		Does		Bucks		Does						
							Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn					
WR1-01	Unltd	719	719	72%	46%	46%	176	3	13	1	130	1	6	1	330	4.73	3.97		
WR1-08	Unltd	1,224	2,448	71%	57%	38%	339	116	128	26	237	47	41	7	940	5.21	3.92		
Totals		1,943	3,167	71.2%	53%	40%	515	119	140	27	366	48	47	8	1,271	5.03	3.94		

## 2014 West River LOL Harvest Distribution by Management Unit

Last Revised:  
20-Mar-15

Last Revised: 20-Mar-15		Reported Harvest								Projected Harvest											
		Whitetail				Mule Deer				Whitetail					Mule Deer					Total	
		Bucks		Does		Bucks		Does		Bucks		Does			Bucks		Does				
		Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn				
Unit	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	Total	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	Estimate	%		
02A (NE Penn/SE Meade)	10	4	5	1	10	0	1	1	32	15	6	7	2	16	0	1	2	48	3.8%		
02C (SE Pennington)	6	1	1	0	2	0	0	0	10	9	1	1	0	3	0	0	0	15	1.2%		
11A (N Bennett)	1	1	0	0	4	0	0	0	6	1	1	0	0	6	0	0	0	9	0.7%		
11B (S Bennett)	4	1	0	0	3	0	0	0	8	6	1	0	0	5	0	0	0	12	1.0%		
15A (Butte)	26	9	19	1	10	0	0	0	65	39	13	28	2	16	0	0	0	97	7.7%		
15B (SW Butte/Lawrence)	10	3	8	3	4	1	0	0	29	15	4	12	5	6	1	0	0	44	3.4%		
20A (Corson)	9	5	2	0	3	2	1	1	23	13	7	3	0	5	3	1	2	34	2.7%		
21A (E Custer/S Penn)	3	0	0	0	1	0	0	0	4	4	0	0	0	2	0	0	0	6	0.5%		
21B (C Custer/C Penn)	5	1	1	0	2	1	1	0	11	7	1	1	0	3	1	1	0	16	1.3%		
24A (Dewey)	5	1	3	0	5	2	0	0	16	7	1	4	0	8	3	0	0	24	1.9%		
27A (NW FRiver/SW Cust)	1	1	0	0	4	1	0	0	7	1	1	0	0	6	1	0	0	11	0.8%		
27B (Fall River)	0	2	1	0	1	0	2	0	6	0	3	1	0	2	0	3	0	9	0.7%		
30A,B (Gregory)	75	20	19	3	10	1	4	0	132	112	29	28	5	16	1	6	0	197	15.5%		
31A (Haakon)	21	6	1	1	28	4	1	1	63	31	9	1	2	44	6	1	2	96	7.5%		
35A (W Harding)	1	0	1	0	2	0	0	0	4	1	0	1	0	3	0	0	0	6	0.5%		
35C (E Harding)	3	1	2	0	7	1	0	0	14	4	1	3	0	11	1	0	0	21	1.7%		
39A (N Jackson)	9	1	1	3	4	0	2	0	20	13	1	1	5	6	0	3	0	30	2.4%		
39B (S Jackson)	3	0	0	0	9	1	2	0	15	4	0	0	0	14	1	3	0	23	1.8%		
41A (Jones)	9	0	3	2	5	0	0	0	19	13	0	4	3	8	0	0	0	29	2.3%		
45A (W Lyman)	18	4	4	1	18	2	2	0	49	27	6	6	2	28	3	3	0	74	5.8%		
45B (E Lyman)	4	0	1	0	6	3	0	0	14	6	0	1	0	9	4	0	0	21	1.7%		
45C (NE Lyman/SE Stanley)	0	0	0	0	2	0	0	0	2	0	0	0	0	3	0	0	0	3	0.2%		
45D (Ft Pr Nat GrsInd)	7	0	0	0	5	0	0	0	12	10	0	0	0	8	0	0	0	18	1.4%		
49A (W Meade)	15	4	7	0	9	1	0	0	36	22	6	10	0	14	1	0	0	54	4.3%		
49B (NE Meade)	13	0	0	0	14	3	2	0	32	19	0	0	0	22	4	3	0	48	3.8%		
50A,B (Mellette)	14	2	2	0	6	4	1	0	29	21	3	3	0	9	6	1	0	43	3.4%		
53A (N Perkins)	0	1	2	1	2	0	5	0	11	0	1	3	2	3	0	7	0	16	1.3%		
53C (S Perkins)	2	1	0	0	12	1	3	0	19	3	1	0	0	19	1	4	0	29	2.3%		
58A (Stanley)	15	2	1	0	19	1	4	0	42	22	3	1	0	30	1	6	0	64	5.0%		
60A (Tripp)	53	10	10	1	17	4	1	2	98	79	15	15	2	27	6	1	3	147	11.6%		
64A (Ziebach)	3	0	0	0	3	0	0	0	6	4	0	0	0	5	0	0	0	9	0.7%		
65A (Shannon)	0	0	0	0	1	0	0	0	1	0	0	0	0	2	0	0	0	2	0.1%		
67A (Todd)	1	1	0	0	7	0	0	0	9	1	1	0	0	11	0	0	0	14	1.1%		
Unknown	19	2	5	2	25	1	1	1	56												
TOTALS	365	84	99	19	260	34	33	6	900	515	119	140	27	366	48	47	8	1,271			

Any by management unit projected harvest values will differ from statewide projected harvest values due to incorrect sampling proportions within units.

Use these figures for approximations only! All unknown harvest locations were assigned the license holder's county of residence, if possible.

## 2014 West River Special Buck Harvest Projections

Last Revised: 05-Feb-15		Harvest Projections																	Total Deer Harvest	Mean Satisfactn Rating	Average Days Hunted
		Licenses				Tags sold	Response Rate	Tag Success	Whitetail				Mule Deer								
		Resident		Nonresident					Bucks		Does		Bucks		Does						
		Avail.	Sold	Avail.	Sold				Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn					
Unit/Type																					
WR-01		500	500	500	500	1,000	83%	76%	371	0	4	0	382	2	4	1	764	5.74	3.40		

WR-01	500	500	500	500	1,000	83%	76%	371	0	4	0	382	2	4	1	764	5.74	3.40
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## 2014 West River Special Buck Harvest Distribution

Unit	Reported Harvest										Projected Harvest												
	Whitetail					Mule Deer					Total	Whitetail					Mule Deer					Total	
	Bucks		Does			Bucks		Does				Bucks		Does			Bucks		Does				
	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn		Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn				
	Estimate	%	Estimate	%	Estimate	%	Estimate	%	Estimate	%		Estimate	%	Estimate	%	Estimate	%	Estimate	%				
02A (NE Penn/SE Meade)	7	0	0	0	32	0	0	0	0	39	9	0	0	0	42	0	0	0	0	52	6.8%		
02C (SE Pennington)	4	0	0	0	9	0	0	0	0	13	5	0	0	0	12	0	0	0	0	17	2.3%		
11A (N Bennett)	2	0	0	0	2	0	1	0	0	5	3	0	0	0	3	0	1	0	0	7	0.9%		
11B (S Bennett)	1	0	0	0	2	0	0	0	0	3	1	0	0	0	3	0	0	0	0	4	0.5%		
15A (Butte)	7	0	0	0	20	0	1	0	0	28	9	0	0	0	27	0	1	0	0	37	4.8%		
15B (SW Butte/Lawrence)	16	0	0	0	5	0	0	1	0	22	21	0	0	0	7	0	0	1	0	29	3.8%		
20A (Corson)	2	0	0	0	5	0	0	0	0	7	3	0	0	0	7	0	0	0	0	9	1.2%		
21A (E Custer/S Penn)	8	0	0	0	7	0	0	0	0	15	11	0	0	0	9	0	0	0	0	20	2.6%		
21B (C Custer/C Penn)	2	0	0	0	2	0	0	0	0	4	3	0	0	0	3	0	0	0	0	5	0.7%		
24A (Dewey)	1	0	0	0	4	0	0	0	0	5	1	0	0	0	5	0	0	0	0	7	0.9%		
27A (NW FRiver/SW Cust)	4	0	0	0	2	0	0	0	0	6	5	0	0	0	3	0	0	0	0	8	1.0%		
27B (Fall River)	5	0	0	0	5	1	0	0	0	11	7	0	0	0	7	1	0	0	0	14	1.9%		
30A,B (Gregory)	63	0	3	0	6	0	0	0	0	72	84	0	4	0	8	0	0	0	0	95	12.5%		
31A (Haakon)	12	0	0	0	23	0	0	0	0	35	16	0	0	0	31	0	0	0	0	46	6.1%		
35A (W Harding)	6	0	0	0	23	0	0	0	0	29	8	0	0	0	31	0	0	0	0	39	5.0%		
35C (E Harding)	0	0	0	0	10	0	1	0	0	11	0	0	0	0	13	0	1	0	0	14	1.9%		
39A (N Jackson)	5	0	0	0	5	0	0	0	0	10	7	0	0	0	7	0	0	0	0	13	1.7%		
39B (S Jackson)	12	0	0	0	10	0	0	0	0	22	16	0	0	0	13	0	0	0	0	29	3.8%		
41A (Jones)	17	0	0	0	12	0	0	0	0	29	23	0	0	0	16	0	0	0	0	39	5.0%		
45A (W Lyman)	28	0	0	0	8	0	0	0	0	36	37	0	0	0	11	0	0	0	0	48	6.3%		
45B (E Lyman)	7	0	0	0	7	0	0	0	0	14	9	0	0	0	9	0	0	0	0	19	2.4%		
45C (NE Lyman/SE Stanley)	1	0	0	0	1	0	0	0	0	2	1	0	0	0	1	0	0	0	0	3	0.3%		
45D (Ft Pr Nat Grslnd)	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0.2%		
49A (W Meade)	6	0	0	0	10	0	0	0	0	16	8	0	0	0	13	0	0	0	0	21	2.8%		
49B (NE Meade)	9	0	0	0	19	0	0	0	0	28	12	0	0	0	25	0	0	0	0	37	4.9%		
50A,B (Mellette)	11	0	0	0	12	0	0	0	0	23	15	0	0	0	16	0	0	0	0	31	4.0%		
53A (N Perkins)	3	0	0	0	5	0	0	0	0	8	4	0	0	0	7	0	0	0	0	11	1.4%		
53C (S Perkins)	5	0	0	0	14	0	0	0	0	19	7	0	0	0	19	0	0	0	0	25	3.3%		
58A (Stanley)	7	0	0	0	13	0	0	0	0	20	9	0	0	0	17	0	0	0	0	27	3.5%		
60A (Tripp)	19	0	0	0	7	0	0	0	0	26	25	0	0	0	9	0	0	0	0	35	4.5%		
64A (Ziebach)	5	0	0	0	5	1	0	0	0	11	7	0	0	0	7	1	0	0	0	14	1.9%		
65A (Shannon)	3	0	0	0	1	0	0	0	0	4	4	0	0	0	1	0	0	0	0	5	0.7%		
67A (Todd)	1	0	0	0	1	0	0	0	0	2	1	0	0	0	1	0	0	0	0	3	0.3%		
Unknown	30	0	0	0	30	0	0	0	0	60													
TOTALS	309	0	3	0	318	2	3	1	636	371	0	4	0		382	2	4	1		764			

Any by management unit projected harvest values will differ from statewide projected harvest values due to incorrect sampling proportions within units.

Use these figures for approximations only!

## **EAST RIVER FIREARM DEER**

There were 31,949 licenses issued for the 2014 East River Firearm Deer season (26,083 regular, 656 Special Buck and 5,210 Landowner Own Land Only) for a total of 39,161 tags.

The East River season was open 16 days from November 22 through December 7 in all units. The season was also open from December 27, 2014 - January 4, 2015 for all unfilled antlerless deer tags.

A random sample of 12,320 hunters was taken from the regular East River season, 2,489 from the Landowner Own Land Only licenses, and all 656 Special Buck hunters. All hunters that listed an email address were surveyed using Qualtrics for the first attempt. Approximately 60% of regular season, 43% of Landowner Own Land, and 58% of Special Buck hunters surveyed through Qualtrics responded. All hunters who did not respond or did not supply an email address were mailed paper surveys which could be responded to either online or through the mail. Final response rates were 78% for regular East River Deer, 73% for Landowner Own Land and 83% for Special Buck. Of all responding hunters, 69% of regular East River, 47% of Landowner Own Land and 68% of Special Buck hunters responded over the Internet.

Respondents reported hunting an average of 4.10 days per hunter for the regular season, 4.59 days for Landowner Own Land and 5.19 days for Special Buck, resulting in a projected total of 134,216 recreation days for the entire East River season. Hunters reported harvesting approximately 98% of their deer during the regular season and 2% from December 27, 2014 - January 4, 2015.

The East River projected deer harvest was 15,803 for the regular season, 3,157 for Landowner Own Land, and 387 for the Special Buck season. Success rates were 52% for the regular season, 38% for Landowner Own Land, and 59% for Special Buck. Success for the regular East River season "any deer and any antlerless deer" and "any whitetail and antlerless whitetail" license 1<sup>st</sup> tags (any) was 59% and success for 2<sup>nd</sup> (antlerless only) tags was 37%. Success for "any antlerless deer and any antlerless deer" and "antlerless whitetail and antlerless whitetail" license 1<sup>st</sup> tags was 53% and success for 2<sup>nd</sup> tags was 31%. No triple-tag licenses were available in 2014.

The mean satisfaction score for those responding to the regular East River survey was 4.80, for the Landowner Own Land survey was 4.82, and for the Special Buck survey was 5.17 (1 = "very dissatisfied" and 7 = "very satisfied").

### Summary comparison of the 2007-2014 East River Deer seasons (including Special Buck and Landowner)

YEAR	Licenses Sold				Harvest				Total Harvest	Success	Avg Days	Avg Satis
	Resident		Nonres		Bucks		Does					
	Lics	Tags	Lics	Tags	WT	Mule	WT	Mule				
2007	48,708	74,502	1,760	3,340	17,609	593	20,311	562	39,075	50%	4.52	4.72
2008	47,308	73,592	1,672	3,191	16,951	646	20,239	642	38,478	50%	4.79	4.71
2009	46,533	74,613	1,797	3,663	13,733	511	17,741	735	32,717	42%	4.53	4.41
2010	47,154	76,549	1,892	4,245	17,300	496	21,595	539	39,929	49%	4.28	4.95
2011	45,589	75,512	1,950	4,461	14,970	502	19,401	513	35,386	44%	4.73	4.51
2012	37,865	58,693	1,419	2,813	13,522	383	14,153	337	28,394	46%	4.23	4.64
2013	37,137	56,030	1,366	2,715	10,733	278	10,592	256	21,858	37%	4.44	4.19
2014	31,037	37,835	912	1,326	12,213	376	6,673	86	19,347	49%	4.10	4.80

## 2014 East River Deer Harvest Projections

Last Revised:

27-Apr-15

Unit	Harvest Projections																			Total Deer Harvested	CI (95%)	Mean Satisf Rating	Average Days Hunted
	Licenses				Tags sold	Response Hunters	Hunter Success	Tag Success	Whitetail				Mule Deer										
	Resident		Nonresident						Bucks		Does		Bucks		Does								
	Avail.	Sold	Avail.	Sold					Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn							
Minnehaha	550	554	leftovers	0	554	554	82%	47%	47%	202	2	51	2	0	0	0	0	258	+/-25	4.68	4.71		
Brown	1,500	1,497	leftovers	0	1,497	1,497	76%	54%	54%	485	58	235	34	0	0	0	0	811	+/-74	4.62	4.16		
Beadle	900	899	leftovers	0	899	899	77%	61%	61%	354	10	171	16	0	0	0	0	551	+/-43	5.10	3.76		
Codington	250	254	leftovers	0	254	254	75%	54%	54%	123	0	13	0	2	0	0	0	138	+/-13	4.69	4.48		
Brookings	500	502	leftovers	0	502	502	89%	45%	45%	164	10	48	6	0	0	0	0	228	+/-21	4.58	5.40		
Yankton	100	100	leftovers	0	100	100	85%	49%	49%	46	0	4	0	0	0	0	0	49	+/-4	4.68	5.28		
Davison	300	302	leftovers	0	302	302	77%	48%	48%	116	7	21	0	2	0	0	0	146	+/-15	4.60	4.71		
Aurora	700	699	leftovers	1	900	700	73%	61%	52%	236	35	190	12	0	0	0	0	472	+/-46	5.14	4.02		
Bon Homme	50	50	leftovers	0	50	50	84%	52%	52%	23	0	4	0	0	0	0	0	26	+/-3	5.08	4.79		
Brule	1,350	1,300	leftovers	51	1,351	1,256	76%	46%	44%	316	13	177	8	67	4	8	0	594	+/-66	4.49	3.29		
Buffalo	400	342	leftovers	57	399	361	70%	52%	52%	149	4	37	4	12	0	2	0	208	+/-21	5.08	2.96		
Campbell	720	606	leftovers	114	720	637	76%	52%	51%	183	16	139	21	5	0	3	0	367	+/-36	4.88	3.93		
Charles Mix	450	453	leftovers	0	453	453	77%	45%	45%	154	2	13	11	21	0	0	2	202	+/-22	4.77	4.10		
Clark	600	601	leftovers	0	601	601	80%	51%	51%	239	12	53	0	0	0	0	0	304	+/-28	4.67	4.37		
Clay	150	151	leftovers	0	151	151	82%	42%	42%	49	0	15	0	0	0	0	0	63	+/-6	4.63	5.62		
Day	600	604	leftovers	0	604	604	73%	50%	50%	247	5	40	8	0	0	0	0	301	+/-31	4.42	3.84		
Deuel	400	400	leftovers	0	400	400	79%	54%	54%	176	2	35	0	2	0	0	0	214	+/-19	4.87	4.50		
Douglas	250	250	leftovers	0	250	250	80%	55%	56%	110	5	23	2	0	0	0	0	140	+/-11	4.73	3.92		
Edmunds	1,200	1,126	leftovers	76	1,701	1,136	76%	63%	55%	407	51	407	63	0	0	8	0	936	+/-84	5.03	3.82		
Faulk	1,300	1,104	leftovers	198	2,604	1,179	77%	67%	53%	336	104	755	180	0	0	4	0	1,379	+/-128	4.87	3.26		
Grant	300	302	leftovers	0	302	302	77%	61%	61%	136	3	41	3	0	0	0	0	185	+/-14	4.66	4.74		
Hamlin	600	600	leftovers	0	600	600	79%	59%	60%	247	7	90	7	2	0	5	0	358	+/-28	5.09	4.42		
Hand	1,020	977	leftovers	46	1,023	921	75%	69%	67%	359	27	253	38	7	0	3	0	688	+/-48	5.25	3.51		
Hanson	300	300	leftovers	0	300	300	81%	48%	48%	115	0	28	2	0	0	0	0	144	+/-14	4.49	4.84		
Hughes	525	527	leftovers	0	628	527	83%	60%	54%	215	0	70	17	28	2	2	2	337	+/-28	5.18	3.51		
Hutchinson	20	20	leftovers	0	20	20	85%	41%	41%	7	0	1	0	0	0	0	0	8	+/-2	5.12	4.53		
Hyde	920	812	leftovers	106	1,816	879	76%	64%	46%	331	36	397	62	3	0	0	0	830	+/-90	4.61	3.63		
Jerauld	650	614	leftovers	36	850	607	75%	58%	54%	237	8	190	21	0	0	0	0	456	+/-43	5.15	3.80		
Kingsbury	750	753	leftovers	0	753	753	79%	45%	45%	209	28	91	8	0	0	0	0	337	+/-36	4.43	4.07		
Lake	350	355	leftovers	0	355	355	83%	58%	58%	164	3	38	2	0	0	0	0	207	+/-16	4.66	5.33		
Lincoln	200	200	leftovers	0	200	200	86%	38%	38%	57	3	14	3	0	0	0	0	76	+/-8	4.16	5.63		
McCook	350	353	leftovers	0	353	353	79%	50%	50%	138	11	25	2	0	0	0	0	176	+/-17	4.56	4.93		
McPherson	800	784	leftovers	20	804	790	79%	63%	63%	239	23	210	29	6	0	0	0	507	+/-37	5.07	3.08		
Marshall	500	499	leftovers	0	499	499	78%	56%	56%	215	13	44	4	0	0	0	0	277	+/-24	4.97	4.45		
Miner	700	702	leftovers	0	702	701	80%	55%	54%	179	21	166	16	0	0	0	0	382	+/-33	4.89	3.84		
Moody	300	299	leftovers	0	299	299	81%	48%	48%	118	3	21	0	0	0	0	0	143	+/-14	4.63	5.17		
Potter	1,050	992	leftovers	56	1,048	872	82%	63%	64%	376	21	216	30	30	0	0	0	674	+/-47	5.28	2.96		
Roberts	400	401	leftovers	0	401	401	82%	58%	58%	181	7	39	6	0	0	0	0	233	+/-18	4.61	4.66		
Sanborn	650	635	leftovers	17	652	612	77%	53%	52%	164	15	146	10	0	0	5	0	340	+/-32	4.76	4.32		
Spink	1,300	1,277	leftovers	29	1,306	1,277	73%	55%	54%	466	36	193	13	0	0	0	0	708	+/-67	4.90	3.70		
W Sully	550	547	leftovers	6	953	544	77%	57%	44%	195	19	134	19	49	0	2	0	417	+/-46	4.73	3.28		
E Sully	470	444	leftovers	28	923	462	82%	60%	41%	195	20	149	10	0	0	2	0	376	+/-42	4.79	3.56		
Turner	100	101	leftovers	0	101	101	81%	44%	44%	36	4	5	0	0	0	0	0	44	+/-5	4.35	5.49		
Union	200	200	leftovers	0	200	200	79%	43%	43%	75	1	10	0	0	0	0	0	87	+/-9	4.57	4.77		
Walworth	750	683	leftovers	71	754	674	79%	56%	56%	206	26	167	16	8	3	0	0	424	+/-36	4.83	3.47		
Totals	26,025	25,171	leftovers	912	30,134	25,135	78.4%	55%	52%	8,976	672	5,169	684	245	9	45	4	15,803	+/-1,448	4.80	4.10		
The response rate for all units combined was:				78%																			

### 2014 East River Deer harvest by date

	Total	Nov 22 - Dec 7	Dec 27 - Jan 4
Reports	4,629	4,529	100
Percent of total		98%	2%
Projected	15,803	15,462	341

### 2014 East River Deer antlerless harvest by date

	Total	Nov 22 - Dec 7	Dec 27 - Jan 4
Percent of total		95%	5%
Projected	6,582	6,241	341

## 2014 East River Deer Harvest Projections

Last Revised: 27-Apr-15		Licenses						Harvest Projections										
		Resident			Nonresident											Total Deer		
		Appl. 1st Choice *	Avail.	Sold	Avail.	Sold	Response Rate	Success 1st tag	Success 2nd tag	Whitetail Bucks		Whitetail Does		Mule Deer Bucks			Mule Deer Does	
Adult	Fawn									Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	
Unit/Type																		
01A-01	1,048	550	554	leftovers	0	83%	47%			202	2	51	2	0	0	0	0	258
03A-01	1,793	1,000	998	leftovers	0	78%	58%			474	22	82	4	0	0	0	0	574
03A-03	83	500	499	leftovers	0	76%	47%			11	35	153	29	0	0	0	0	236
04A-01	1,068	600	599	leftovers	0	80%	66%			347	0	48	3	0	0	0	0	396
04A-03	58	300	300	leftovers	0	72%	52%			7	10	122	13	0	0	0	0	155
05A-01	689	250	254	leftovers	0	75%	54%			123	0	13	0	2	0	0	0	138
06A-01	1,009	500	502	leftovers	0	89%	45%			164	10	48	6	0	0	0	0	228
07A-01	523	100	100	leftovers	0	86%	49%			46	0	4	0	0	0	0	0	49
08A-01	396	300	302	leftovers	0	78%	48%			116	7	21	0	2	0	0	0	146
10A-01	62	50	50	leftovers	0	55%	50%			16	4	4	0	0	0	0	0	25
10A-11	236	200	200	leftovers	0	77%	51%			106	0	9	0	0	0	0	0	117
10A-13	34	250	249	leftovers	1	76%	57%			0	25	113	6	0	0	0	0	142
10A-18	418	200	200	leftovers	0	71%	57%	37%		114	5	63	6	0	0	0	0	188
12A-11	245	50	50	leftovers	0	83%	52%			23	0	4	0	0	0	0	0	26
13A-01	627	300	301	leftovers	0	75%	66%			97	0	20	0	67	4	4	0	200
13A-11	291	700	700	leftovers	0	77%	36%			219	6	37	0	0	0	0	0	255
13A-13	23	350	299	leftovers	51	64%	40%			0	7	120	8	0	0	4	0	140
14A-01	100	100	100	leftovers	0	72%	58%			39	0	6	0	12	0	2	0	58
14A-11	42	250	202	leftovers	47	69%	55%			110	4	20	0	0	0	0	0	136
14A-13	0	50	40	leftovers	10	30%	30%			0	0	11	4	0	0	0	0	15
16A-01	86	20	20	leftovers	0	73%	78%			10	0	3	0	5	0	0	0	16
16A-11	455	400	400	leftovers	0	77%	56%			170	11	33	5	0	0	0	0	223
16A-13	11	300	186	leftovers	114	68%	43%			4	5	104	16	0	0	3	0	129
17A-01	486	150	153	leftovers	0	75%	47%			39	0	2	5	21	0	0	2	73
17A-11	428	300	300	leftovers	0	80%	43%			114	2	10	6	0	0	0	0	130
18A-01	940	600	601	leftovers	0	80%	51%			239	12	53	0	0	0	0	0	304
19A-01	342	150	151	leftovers	0	82%	42%			49	0	15	0	0	0	0	0	63
22A-01	1,072	600	604	leftovers	0	73%	50%			247	5	40	8	0	0	0	0	301
23A-01	742	400	400	leftovers	0	80%	54%			176	2	35	0	2	0	0	0	214
25A-11	311	250	250	leftovers	0	79%	56%			110	5	23	2	0	0	0	0	140
26A-01	864	700	703	leftovers	0	79%	63%			398	10	46	3	0	0	0	0	445
26A-09	78	500	423	leftovers	76	71%	60%	33%		9	40	361	59	0	0	8	0	491
28A-08	786	600	600	leftovers	0	77%	57%	44%		315	19	260	31	0	0	4	0	655
28A-09	21	700	504	leftovers	198	72%	64%	39%		21	84	496	149	0	0	0	0	724
29A-01	668	300	302	leftovers	0	77%	61%			136	3	41	3	0	0	0	0	185
32A-01	669	600	600	leftovers	0	80%	60%			247	7	90	7	2	0	5	0	358
33A-01	162	20	23	leftovers	0	89%	88%			16	0	3	0	3	0	0	0	20
33A-11	753	500	500	leftovers	0	75%	68%			344	4	11	0	4	0	0	0	339
33A-13	27	500	454	leftovers	46	63%	66%			0	24	240	38	0	0	3	0	329
34A-01	366	300	300	leftovers	0	81%	48%			115	0	28	2	0	0	0	0	144
36A-01	409	175	176	leftovers	0	83%	58%			70	0	4	2	25	0	2	2	102
36A-11	188	250	250	leftovers	0	85%	62%			145	0	6	0	2	2	0	0	155
36A-19	23	100	101	leftovers	0	81%	55%	26%		0	0	60	15	0	0	0	0	80
37A-01	160	20	20	leftovers	0	85%	41%			7	0	1	0	0	0	0	0	8
38A-01	106	20	20	leftovers	0	100%	33%			0	0	0	0	3	0	0	0	7
38A-18	346	500	500	leftovers	0	77%	65%	30%		324	0	144	20	0	0	0	0	485
38A-19	7	400	292	leftovers	106	73%	53%	32%		7	36	252	42	0	0	0	0	338
40A-01	120	50	50	leftovers	0	73%	48%			24	0	0	0	0	0	0	0	24
40A-11	100	150	150	leftovers	0	74%	53%			77	0	0	2	0	0	0	0	80
40A-13	13	250	214	leftovers	36	64%	50%			0	5	115	8	0	0	0	0	126
40A-18	311	200	200	leftovers	0	74%	73%	42%		137	3	76	11	0	0	0	0	226
42A-01	950	550	552	leftovers	0	81%	49%			209	17	40	6	0	0	0	0	273
42A-03	78	200	201	leftovers	0	76%	32%			0	11	50	3	0	0	0	0	64
43A-01	711	350	355	leftovers	0	84%	58%			164	3	38	2	0	0	0	0	207
44A-01	531	200	200	leftovers	0	85%	38%			57	3	14	3	0	0	0	0	76
46A-01	744	350	353	leftovers	0	79%	50%			138	11	25	2	0	0	0	0	176
47A-01	806	500	504	leftovers	0	75%	65%			236	9	69	3	6	0	0	0	326
47A-03	21	300	280	leftovers	20	86%	61%			3	14	141	26	0	0	0	0	182
48A-01	785	500	499	leftovers	0	78%	56%			215	13	44	4	0	0	0	0	277
51A-01	660	400	401	leftovers	0	82%	51%			179	0	24	5	0	0	0	0	206
51A-03	49	300	301	leftovers	0	78%	59%			0	21	142	11	0	0	0	0	177
52A-01	628	300	299	leftovers	0	81%	48%			118	3	21	0	0	0	0	0	143
54A-01	346	150	150	leftovers	0	80%	73%			63	0	10	0	30	0	0	0	109
54A-11	514	500	500	leftovers	0	81%	76%			309	0	59	0	0	0	0	0	381
54A-13	17	400	342	leftovers	56	67%	46%			5	21	147	30	0	0	0	0	183

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**South Dakota Game Report No 2015-06 - 2014 Big Game Harvest Projections**  
 Corey Huxoll

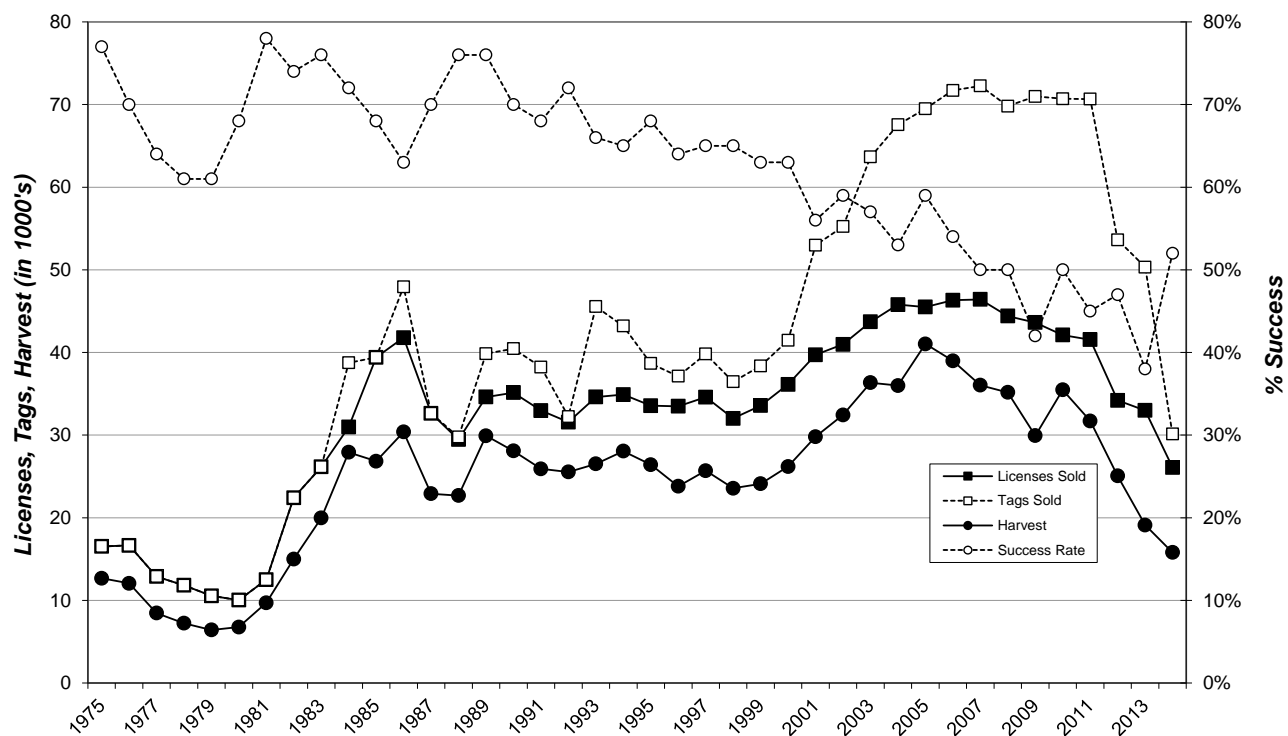
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Last Revised:		Licenses						Harvest Projections											
27-Apr-15		Resident			Nonresident			Whitetail								Mule Deer			Total
		Appl. 1st					Response	Success		Bucks		Does		Bucks		Does		Deer	
Unit/Type	Choice *	Avail.	Sold	Avail.	Sold	Rate	1st tag	2nd tag	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	Harvest		
55A-01	870	400	401	leftovers	0	84%	58%		181	7	39	6	0	0	0	0	233		
56A-01	486	350	351	leftovers	0	77%	53%		164	3	16	3	0	0	0	0	186		
56A-03	30	300	284	leftovers	17	72%	51%		0	13	130	8	0	0	0	0	154		
57A-01	1,094	900	906	leftovers	0	71%	58%		444	16	69	0	0	0	0	0	524		
57A-03	32	400	371	leftovers	29	76%	46%		22	19	123	13	0	0	0	0	184		
59A-01	565	150	153	leftovers	0	78%	60%		36	0	0	0	49	0	2	0	91		
59A-18	224	250	250	leftovers	0	80%	61%	36%	159	11	82	5	0	0	0	0	256		
59A-19	14	150	144	leftovers	6	71%	27%	12%	0	7	51	14	0	0	0	0	70		
59B-01	36	20	21	leftovers	0	79%	47%		10	0	0	0	0	0	0	0	10		
59B-18	288	350	353	leftovers	0	85%	49%	35%	182	20	96	10	0	0	2	0	308		
59B-19	5	100	70	leftovers	28	75%	33%	24%	3	0	52	0	0	0	0	0	58		
61A-01	384	100	101	leftovers	0	82%	44%		36	4	5	0	0	0	0	0	44		
62A-01	576	200	200	leftovers	0	79%	44%		76	1	10	0	0	0	0	0	88		
63A-01	197	50	53	leftovers	0	74%	51%		15	4	0	5	8	0	0	0	27		
63A-11	450	400	400	leftovers	0	79%	54%		190	13	20	0	0	0	0	0	238		
63A-13	20	300	230	leftovers	71	71%	62%		0	9	147	10	0	0	0	0	159		
Totals	31,906	26,025	25,171	leftovers	912	77.6%	1st tag	2nd tag	8,977	672	5,169	684	245	9	45	4	15,804		
							Type 08/18=	59%	37%										
							Type 09/19=	53%	31%										
* Number of 1st drawing applicants with that season as 1st choice.																			

\* Number of 1st drawing applicants with that season as 1st choice.

## East River Deer Regular Season 1975-2014

(does not include Special Buck or Landowner Own Land)



## 2014 East River LOL Harvest Projections

Last Revised: 27-Apr-15

Last Revised: 27-Apr-15																	
Unit	Licenses		Tags sold	Response Rate	Hunter Success	Tag Success	Harvest Projections								Total Deer Harvest	Mean Satisfactn Rating	Average Days Hunted
							Whitetail				Mule Deer						
	Bucks						Does		Bucks		Does						
	Avail.	Sold					Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn			
ER1-01	Unltd	2,049	2,049	77%	38%	38%	683	8	69	8	19	0	0	0	787	4.70	4.47
ER1-08	Unltd	3,161	6,322	69%	55%	38%	1,233	290	696	40	70	6	18	18	2,371	4.91	4.68
Totals		5,210	8,371	72.6%	48%	38%	1,916	298	765	48	89	6	18	18	3,157	4.82	4.59

## 2014 East River LOL Harvest Distribution by Management Unit

Last Revised:  
27-Apr-15

Unit	Reported Harvest									Projected Harvest									
	Whitetail				Mule Deer				Total	Whitetail				Mule Deer				Total	
	Bucks		Does		Bucks		Does			Bucks		Does							
	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn		Adult	Fawn	Adult	Fawn						
01A (Minnehaha)	11	3	3	0	0	0	0	0	17	33	10	9	0	0	0	0	0	52	1.7%
03A (Brown)	22	6	7	1	0	0	0	0	36	66	20	22	3	0	0	0	0	111	3.5%
04A (Beadle)	30	6	9	0	1	0	0	0	46	90	20	28	0	3	0	0	0	142	4.5%
05A (Codington)	12	1	5	2	0	0	0	0	20	36	3	16	6	0	0	0	0	61	1.9%
06A (Brookings)	19	2	8	0	0	0	0	0	29	57	7	25	0	0	0	0	0	89	2.8%
07A (Yankton)	19	4	8	0	0	0	0	0	31	57	13	25	0	0	0	0	0	95	3.0%
08A (Davison)	14	3	5	1	0	0	0	0	23	42	10	16	3	0	0	0	0	71	2.2%
10A (Aurora)	21	6	16	1	0	0	0	0	44	63	20	50	3	0	0	0	0	136	4.3%
12A (Bon Homme)	12	0	10	0	0	0	0	0	22	36	0	31	0	0	0	0	0	67	2.1%
13A (Brule)	17	2	6	0	2	0	2	1	30	51	7	19	0	7	0	6	3	92	2.9%
14A (Buffalo)	6	1	1	1	0	0	0	0	9	18	3	3	3	0	0	0	0	28	0.9%
16A (Campbell)	4	1	3	0	4	1	0	3	16	12	3	9	0	14	3	0	9	51	1.6%
17A (Charles Mix)	15	2	5	1	7	1	0	1	32	45	7	16	3	24	3	0	3	100	3.2%
18A (Clark)	15	0	4	0	0	0	0	0	19	45	0	12	0	0	0	0	0	57	1.8%
19A (Clay)	8	0	1	0	0	0	0	0	9	24	0	3	0	0	0	0	0	27	0.9%
22A (Day)	12	4	8	1	0	0	0	0	25	36	13	25	3	0	0	0	0	77	2.5%
23A (Deuel)	4	0	2	0	0	0	0	0	6	12	0	6	0	0	0	0	0	18	0.6%
25A (Douglas)	7	1	3	0	0	0	0	0	11	21	3	9	0	0	0	0	0	34	1.1%
26A (Edmunds)	13	1	3	0	0	0	0	0	17	39	3	9	0	0	0	0	0	52	1.6%
28A (Faulk)	22	6	12	0	0	0	0	0	40	66	20	37	0	0	0	0	0	123	3.9%
29A (Grant)	27	2	4	0	0	0	0	0	33	81	7	12	0	0	0	0	0	100	3.2%
32A (Hamlin)	18	2	10	0	0	0	0	0	30	54	7	31	0	0	0	0	0	92	2.9%
33A (Hand)	39	3	13	1	0	0	2	1	59	117	10	40	3	0	0	6	3	180	5.7%
34A (Hanson)	9	2	3	0	1	0	0	0	15	27	7	9	0	3	0	0	0	46	1.5%
36A (Hughes)	15	1	2	1	4	0	2	0	25	45	3	6	3	14	0	6	0	78	2.5%
37A (Hutchinson)	18	0	2	1	0	0	0	0	21	54	0	6	3	0	0	0	0	63	2.0%
38A (Hyde)	12	0	9	0	0	0	0	0	21	36	0	28	0	0	0	0	0	64	2.0%
40A (Jerauld)	23	3	5	0	1	0	0	0	32	69	10	16	0	3	0	0	0	98	3.1%
42A (Kingsbury)	11	2	7	0	0	0	0	0	20	33	7	22	0	0	0	0	0	61	1.9%
43A (Lake)	7	0	3	0	0	0	0	0	10	21	0	9	0	0	0	0	0	30	1.0%
44A (Lincoln)	4	0	3	1	0	0	0	0	8	12	0	9	3	0	0	0	0	25	0.8%
46A (McCook)	14	0	4	0	0	0	0	0	18	42	0	12	0	0	0	0	0	54	1.7%
47A (McPherson)	8	1	5	1	0	0	0	0	15	24	3	16	3	0	0	0	0	46	1.5%
48A (Marshall)	4	0	4	0	0	0	0	0	8	12	0	12	0	0	0	0	0	24	0.8%
51A (Miner)	15	2	4	0	0	0	0	0	21	45	7	12	0	0	0	0	0	64	2.0%
52A (Moody)	5	0	0	1	0	0	0	0	6	15	0	0	3	0	0	0	0	18	0.6%
54A (Potter)	10	1	9	0	0	0	0	0	20	30	3	28	0	0	0	0	0	61	1.9%
55A (Roberts)	36	5	16	1	0	0	0	0	58	108	17	50	3	0	0	0	0	178	5.6%
56A (Sanborn)	13	6	7	0	0	0	0	0	26	39	20	22	0	0	0	0	0	81	2.6%
57A (Spink)	23	2	8	0	0	0	0	0	33	69	7	25	0	0	0	0	0	101	3.2%
59A (W Sully)	6	2	0	0	1	0	0	0	9	18	7	0	0	3	0	0	0	28	0.9%
59B (E Sully)	9	1	0	0	0	0	0	0	10	27	3	0	0	0	0	0	0	30	1.0%
61A (Turner)	8	2	2	0	1	0	0	0	13	24	7	6	0	3	0	0	0	40	1.3%
62A (Union)	9	0	4	0	0	0	0	0	13	27	0	12	0	0	0	0	0	39	1.2%
63A (Walworth)	12	3	3	0	4	0	0	0	22	36	10	9	0	14	0	0	0	69	2.2%
Unknown	23	9	8	1	4	0	0	0	45										
TOTALS	661	98	254	16	30	2	6	6	1,073	1,916	298	765	48	89	6	18	18	3,157	

Any by management unit projected harvest values will differ from statewide projected harvest values due to incorrect sampling proportions within units.

Use these figures for approximations only! All unknown harvest locations were assigned the license holder's county of residence, if possible.

## 2014 East River Special Buck Harvest Projections

Last Revised:

05-Feb-15

Last Revised: 05-Feb-15					Harvest Projections								Total Deer Harvest	Mean Satisfactn Rating	Average Days Hunted
Unit/Type	Resident Licenses		Response Rate	Tag Success	Whitetail				Mule Deer						
	Avail.	Sold			Bucks		Does		Bucks		Does				
ER-01	656	656	83%	59%	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	387	5.17	5.19

## 2014 East River Special Buck Harvest Distribution

Last Revised:

05-Feb-15

Unit	Reported Harvest										Projected Harvest									
	Whitetail					Mule Deer					Whitetail					Mule Deer				
	Bucks		Does		Total	Bucks		Does		Total	Bucks		Does		Total	Bucks		Does		Total
	Adult	Fawn	Adult	Fawn		Adult	Fawn	Adult	Fawn		Adult	Fawn	Adult	Fawn		Adult	Fawn	Adult	Fawn	
01A (Minnehaha)	11	0	0	0	0	0	0	0	0	11	14	0	0	0	0	0	0	0	0	14
03A (Brown)	12	0	0	0	0	0	0	0	0	12	15	0	0	0	0	0	0	0	0	15
04A (Beadle)	4	0	1	0	0	1	0	0	0	6	5	0	1	0	0	1	0	0	0	7
05A (Codington)	9	0	0	0	0	0	0	0	0	9	11	0	0	0	0	0	0	0	0	11
06A (Brookings)	11	0	0	0	0	0	0	0	0	11	14	0	0	0	0	0	0	0	0	14
07A (Yankton)	13	0	0	0	0	0	0	0	0	13	16	0	0	0	0	0	0	0	0	16
08A (Davison)	3	0	2	0	0	0	0	0	0	5	4	0	2	0	0	0	0	0	0	6
10A (Aurora)	4	0	0	0	0	0	0	0	0	4	5	0	0	0	0	0	0	0	0	5
12A (Bon Homme)	9	0	0	0	0	0	0	0	0	9	11	0	0	0	0	0	0	0	0	11
13A (Brule)	2	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2
14A (Buffalo)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16A (Campbell)	3	0	0	0	0	7	0	0	0	10	4	0	0	0	0	9	0	0	0	13
17A (Charles Mix)	5	0	0	0	0	7	0	1	0	13	6	0	0	0	0	9	0	1	0	16
18A (Clark)	6	0	0	0	0	0	0	0	0	6	7	0	0	0	0	0	0	0	0	7
19A (Clay)	3	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	4
22A (Day)	11	0	0	0	0	0	0	0	0	11	14	0	0	0	0	0	0	0	0	14
23A (Deuel)	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
25A (Douglas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26A (Edmunds)	9	0	0	0	0	0	0	0	0	9	11	0	0	0	0	0	0	0	0	11
28A (Faulk)	7	0	0	0	0	0	0	0	0	7	9	0	0	0	0	0	0	0	0	9
29A (Grant)	5	0	0	1	0	0	0	0	0	6	6	0	0	1	0	0	0	0	0	7
32A (Hamlin)	3	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	4
33A (Hand)	15	1	1	0	2	0	0	0	0	19	19	1	1	0	3	0	0	0	0	24
34A (Hanson)	5	0	0	0	0	0	0	0	0	5	6	0	0	0	0	0	0	0	0	6
36A (Hughes)	6	0	0	0	0	1	0	0	0	7	7	0	0	0	0	1	0	0	0	9
37A (Hutchinson)	5	0	0	0	0	0	0	0	0	5	6	0	0	0	0	0	0	0	0	6
38A (Hyde)	3	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	4
40A (Jerauld)	8	0	0	0	0	0	0	0	0	8	10	0	0	0	0	0	0	0	0	10
42A (Kingsbury)	9	0	0	0	0	0	0	0	0	9	11	0	0	0	0	0	0	0	0	11
43A (Lake)	7	0	0	0	0	0	0	0	0	7	9	0	0	0	0	0	0	0	0	9
44A (Lincoln)	6	0	0	0	0	0	0	0	0	6	7	0	0	0	0	0	0	0	0	7
46A (McCook)	3	0	1	0	0	0	0	0	0	4	4	0	1	0	0	0	0	0	0	5
47A (McPherson)	5	0	0	0	0	0	0	0	0	5	6	0	0	0	0	0	0	0	0	6
48A (Marshall)	8	0	0	0	0	0	0	0	0	8	10	0	0	0	0	0	0	0	0	10
51A (Miner)	12	0	0	0	0	0	0	0	0	12	15	0	0	0	0	0	0	0	0	15
52A (Moody)	3	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	4
54A (Potter)	10	0	0	0	0	0	0	0	0	10	12	0	0	0	0	0	0	0	0	12
55A (Roberts)	4	0	0	0	0	0	0	0	0	4	5	0	0	0	0	0	0	0	0	5
56A (Sanborn)	3	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	4
57A (Spink)	3	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	4
59A (W Sully)	15	0	0	0	1	0	0	0	0	16	19	0	0	0	1	0	0	0	0	20
59B (E Sully)	9	0	0	0	0	0	0	0	0	9	11	0	0	0	0	0	0	0	0	11
61A (Turner)	4	0	0	0	0	0	0	0	0	4	5	0	0	0	0	0	0	0	0	5
62A (Union)	5	0	0	0	0	0	0	0	0	5	6	0	0	0	0	0	0	0	0	6
63A (Walworth)	4	0	0	0	2	0	0	0	0	6	5	0	0	0	3	0	0	0	0	7
Unknown	7	0	0	0	1	0	0	0	0	8										
<b>TOTALS</b>	<b>290</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>22</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>320</b>	<b>350</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>27</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>387</b>

Any by management unit projected harvest values will differ from statewide projected harvest values due to incorrect sampling proportions within units.

Use these figures for approximations only!

## **NATIONAL WILDLIFE REFUGE DEER**

There were a total of 200 licenses issued for the 2014 Wildlife Refuge Deer seasons, which included 133 at Sand Lake (122 residents and 11 nonresidents); 34 at Lacreek (30 residents and 4 nonresidents); and 33 at Waubay (31 residents and 2 nonresidents).

All license-holders for each season were surveyed and response rates for Sand Lake, Lacreek, and Waubay refuges were 83%, 85%, and 85%, respectively. Approximately 83% of survey respondents did so through the Internet.

The seasons had different opening dates at each refuge. The average days hunted were 2.34 at Sand Lake, 3.10 at Lacreek and 1.54 at Waubay.

The reported harvest at the refuges consisted of only white-tailed deer. The projected harvest for Sand Lake was 4 bucks and 4 does, for Lacreek was 8 bucks and 0 does, and for Waubay was 8 bucks and 2 does. The projected success rate for Sand Lake was 36%, for Lacreek was 24%, and for Waubay was 32%.

### **Harvest summaries for 2005-2014 National Wildlife Refuge Deer Seasons**

#### **SAND LAKE NATIONAL WILDLIFE REFUGE**

<b>YEAR</b>	<b>LICENSES</b>	<b>BUCKS</b>	<b>DOES</b>	<b>% SUCCESS</b>	<b>AVE DAYS HUNTED</b>
2005	420	73	75	28%	2.71
2006	444	92	79	29%	2.81
2007	436	103	83	33%	2.68
2008	399	86	112	25%	3.39
2009	275	58	66	23%	2.88
2010	272	56	55	20%	2.86
2011	220	30	51	18%	3.30
2012	128	33	10	34%	2.54
2013	132	37	18	41%	2.48
2014	133	44	4	36%	2.34

#### **LACREEK NATIONAL WILDLIFE REFUGE**

<b>YEAR</b>	<b>LICENSES</b>	<b>BUCKS</b>	<b>DOES</b>	<b>% SUCCESS</b>	<b>AVE DAYS HUNTED</b>
2005	45	10	8	40%	2.93
2006	38	10	5	39%	2.56
2007	43	16	6	51%	2.78
2008	43	11	6	40%	2.43
2009	43	19	4	52%	2.61
2010	46	16	10	57%	2.46
2011	45	16	9	45%	2.93
2012	48	14	19	47%	2.38
2013	48	11	4	22%	1.97
2014	34	8	0	24%	3.10

#### **WAUBAY NATIONAL WILDLIFE REFUGE**

<b>YEAR</b>	<b>LICENSES</b>	<b>BUCKS</b>	<b>DOES</b>	<b>% SUCCESS</b>	<b>AVE DAYS HUNTED</b>
2005	71	27	8	49%	2.00
2006	71	14	11	35%	2.62
2007	71	19	13	33%	2.07
2008	66	17	5	33%	2.29
2009	66	16	9	38%	2.23
2010	66	17	8	37%	2.22
2011	64	9	7	25%	3.82
2012	51	17	2	38%	1.76
2013	51	15	1	31%	1.71
2014	33	8	2	32%	1.54

## 2014 Sand Lake Refuge Deer Harvest Projections

Last Revised:

23-Mar-15

Last Revised:  
23-Mar-15

Unit/Type	Licenses						Response Rate	Tag Success	Harvest Projections						Mean Satisf Score	Avg Days Hunted
	Resident			Nonresident					Whitetail				Total Deer Harvested			
	Appl. 1st			Appl. 1st					Bucks		Does					
	Choice *	Available	Sold	Choice *	Available	Sold			Adult	Fawn	Adult	Fawn				
SL1-01	149	20	20	8	2	2	86%	32%	6	1	0	0	7	4.78	3.37	
SL1-03	3	10	10	2	1	1	73%	13%	0	0	1	0	1	3.80	1.75	
SL2-01	165	20	20	10	2	2	91%	80%	18	0	0	0	18	5.20	1.95	
SL2-03	4	10	10	2	1	1	73%	38%	0	3	0	1	4	5.83	1.25	
SL3-01	58	20	21	4	2	2	87%	55%	12	1	0	0	13	5.80	2.70	
SL3-03	5	10	11	0	1	0	73%	50%	0	4	1	0	6	5.00	1.63	
SL5-01	91	20	20	6	2	2	86%	26%	6	0	0	0	6	5.29	2.89	
SL5-03	5	10	10	1	1	1	80%	13%	0	0	1	0	1	5.00	1.00	
Licenses	480	120	122	33	12	11	83.3%	36%	35	9	3	1	48	5.20	2.34	

## 2014 Lacreek Refuge Deer Harvest Projections

Unit/Type	Licenses						Response Rate	Tag Success	Harvest Projections						Mean Satisf Score	Avg Days Hunted
	Resident			Nonresident					Whitetail				Total Deer Harvested			
	Appl. 1st			Appl. 1st					Bucks		Does					
	Choice *	Available	Sold	Choice *	Available	Sold			Adult	Fawn	Adult	Fawn				
LC1-01	189	15	15	13	2	2	82%	14%	1	1	0	0	2	3.08	3.07	
LC2-01	198	15	15	11	2	2	88%	33%	6	0	0	0	6	5.62	3.13	
Licenses	387	30	30	24	4	4	85.3%	24%	7	1	0	0	8	4.40	3.10	

All units require the use of muzzleloader firearms.

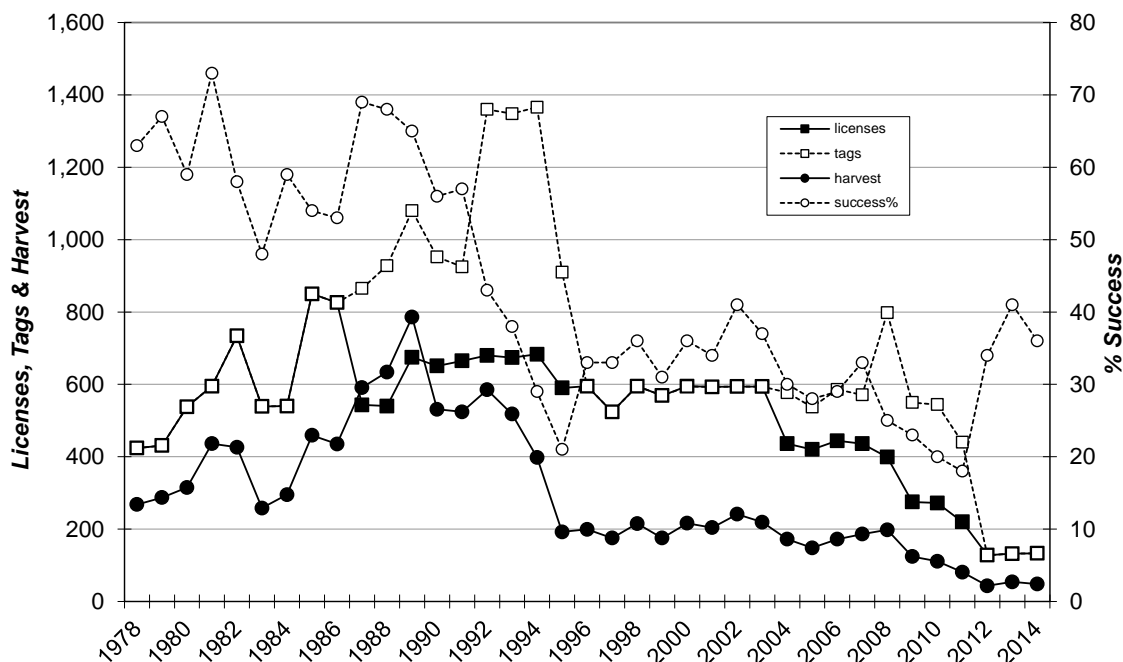
## 2014 Waubay Refuge Deer Harvest Projections

Unit/Type	Licenses						Response Rate	Tag Success	Harvest Projections						Mean Satisf Score	Avg Days Hunted
	Resident			Nonresident					Whitetail				Total Deer Harvested			
	Appl. 1st			Appl. 1st					Bucks		Does					
	Choice *	Available	Sold	Choice *	Available	Sold			Adult	Fawn	Adult	Fawn				
WA1-01	72	10	10	2	1	1	91%	50%	4	0	0	1	6	5.86	1.30	
WA2-01	24	10	11	0	1	0	73%	25%	1	1	0	0	3	4.83	1.13	
WA3-01	37	10	10	1	1	1	91%	20%	1	0	0	1	2	4.22	2.10	
Licenses	133	30	31	3	3	2	84.8%	32%	7	1	0	2	10	4.90	1.54	

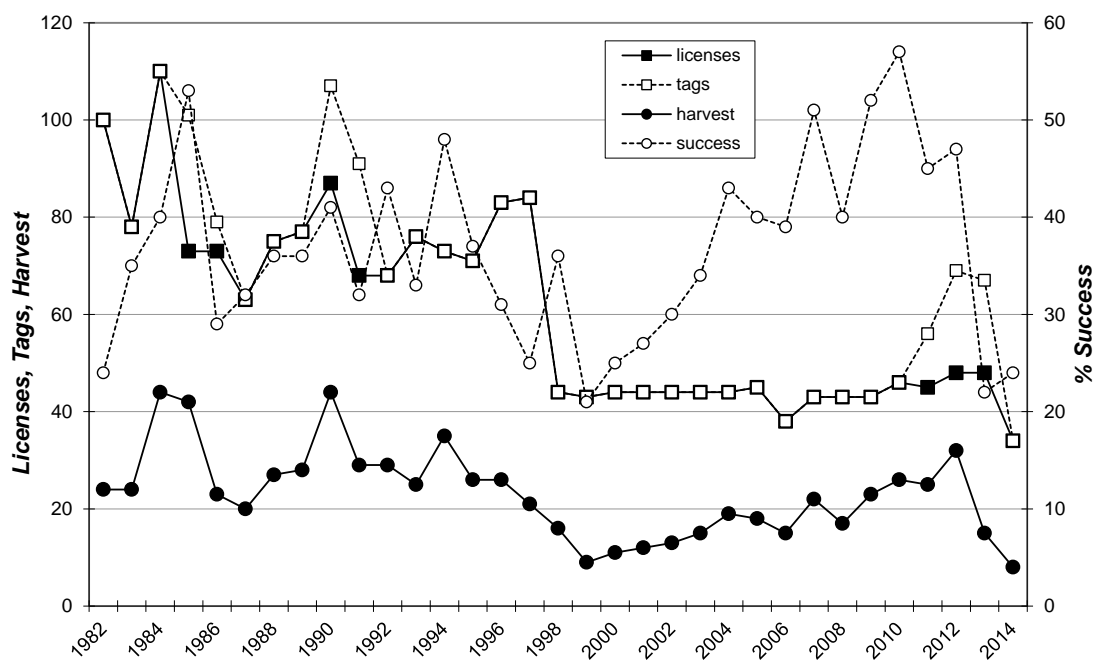
Response rate for all units combined was: **83.9%**

\* Number of 1st drawing applicants with that season as 1st choice.

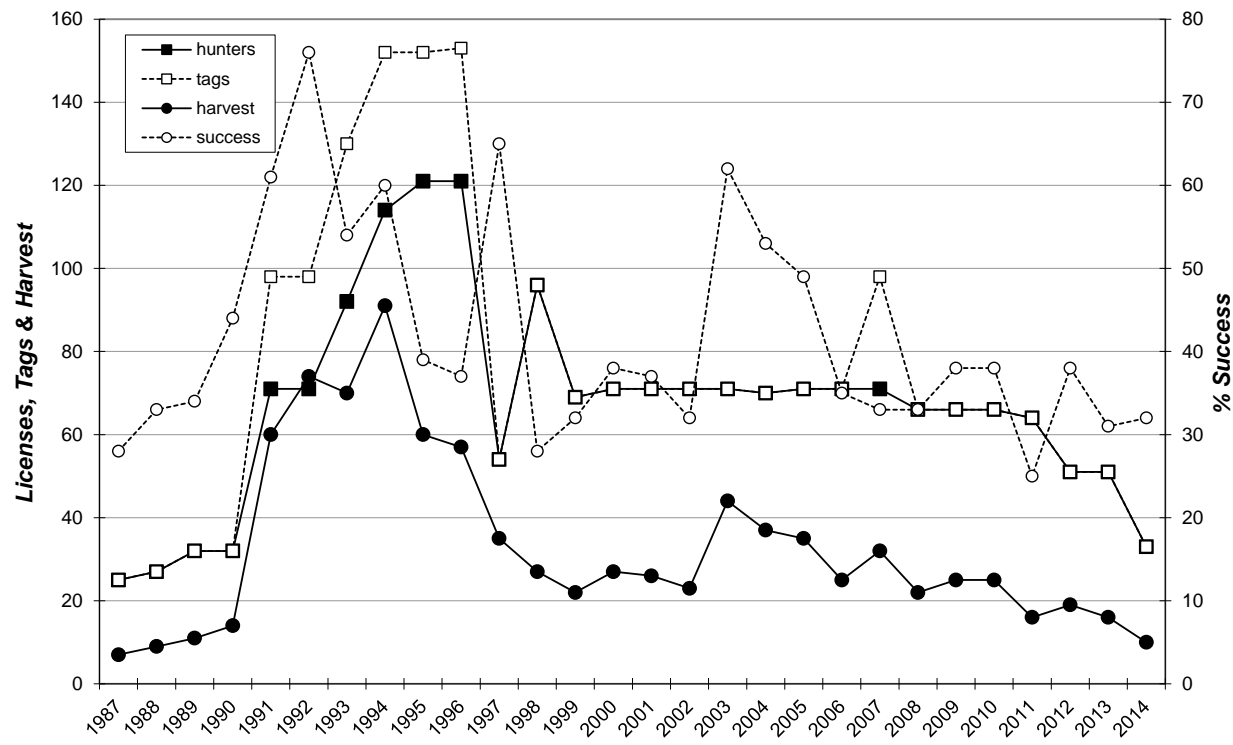
## Sand Lake National Wildlife Refuge 1978-2014



## Lacreek National Wildlife Refuge 1982-2014



Waubay National Wildlife Refuge 1987-2014



## **BLACK HILLS DEER**

There were 3,494 single-tag licenses issued for the 2014 Black Hills Deer season (3,242 resident, 252 nonresident).

A random sample of 1,243 hunters was taken (36% of license holders) and there were 986 responses for a 79% return rate. Approximately 65% of responses were received through the Internet.

The season ran the month of November, a total of 30 days. Those responding reported hunting an average of 4.82 days, which projected to 16,839 recreation days for the season. Of those responding, 5% stated they did not hunt at all during the season.

The mean satisfaction score for all combined units was 5.48 on a scale ranging from 1 = "very dissatisfied" to 7 = "very satisfied".

The harvest projection for the Black Hills Deer season was 2,410 deer (2,031 adult whitetail bucks, 45 fawn whitetail bucks, 252 adult whitetail does, 23 fawn whitetail does, 59 adult mule deer bucks, and no fawn mule deer bucks, or adult or fawn mule deer does). The overall season harvest success rate was 69%.

Including the estimated Black Hills harvest of 1,139 deer from the Archery, Youth and Muzzleloader seasons, approximately 3,549 deer were harvested in the Black Hills proper.

### Harvest summaries for the 2005-2014 Black Hills Deer seasons

YEAR	Licenses Sold		Bucks		Harvest Does		Total	Success	Avg Days Hunted	Avg Satis
	Resident	Nonres	WT	Mule	WT	Mule				
2005	7,217	597	2,219	696	1,324	8	4,247	54%	4.12	5.50
2006	8,250	689	2,746	722	1,770	167	5,405	60%	4.22	5.37
2007	8,240	709	3,172	133	1,988	104	5,397	60%	4.45	5.27
2008	8,451	722	2,620	138	1,824	56	4,638	51%	4.08	5.11
2009	7,218	613	2,450	134	1,122	74	3,781	48%	4.75	4.53
2010	4,938	389	2,300	101	599	16	3,017	57%	4.58	5.07
2011	4,137	329	2,011	107	401	10	2,530	57%	4.78	4.89
2012	3,337	243	2,008	88	289	6	2,391	67%	4.23	5.22
2013	3,330	261	1,912	62	318	2	2,294	64%	4.68	5.27
2014	3,242	252	2,076	59	275	0	2,410	69%	4.82	5.48

### 2014 Black Hills Deer Harvest Projections

Last Revised: 4-Feb-15

Last revised: 4-Feb-15

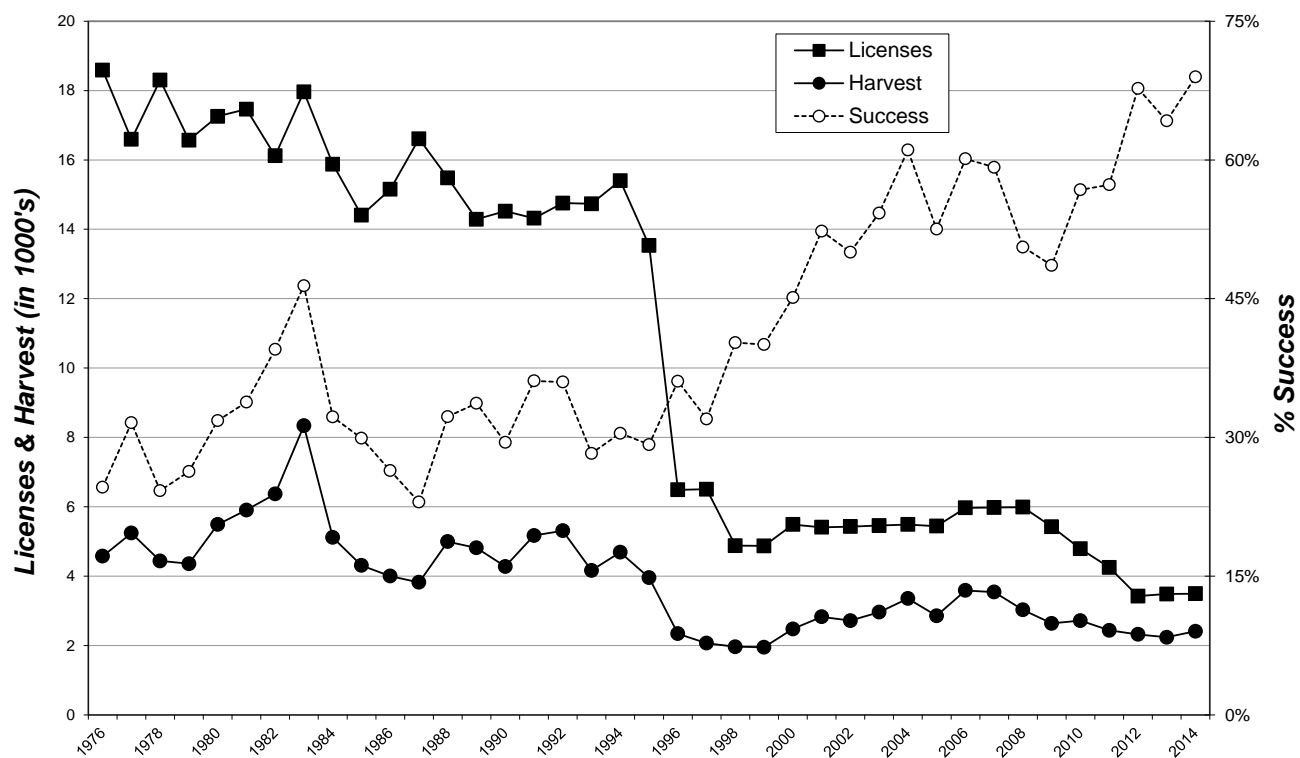
Unit/Type	Licenses								Harvest Projections												Mean Satisfctn Score	Avg Days Hunted
	Resident				Nonresident				Whitetail				Mule Deer				Total Deer Harvested	CI (95%)				
	Appl. 1st Choice *		Avail.		Appl. 1st Choice *		Avail.		Bucks		Does		Bucks		Does							
	Sold	Resp.	Success	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn									
BH1-01	3,558	200	242	219	16	14	77%	70%	101	4	12	3	59	0	0	0	178	+/-8	5.21	5.66		
BH1-11	7,911	3,000	3,000	672	240	238	80%	69%	1,931	41	240	20	0	0	0	0	2,232	+/-90	5.55	4.62		
	11,469	3,200	3,242	891	256	252	79.3%	69%	2,031	45	252	23	59	0	0	0	2,410	+/-99	5.48	4.82		

The response rate for all units combined is: 79.3%

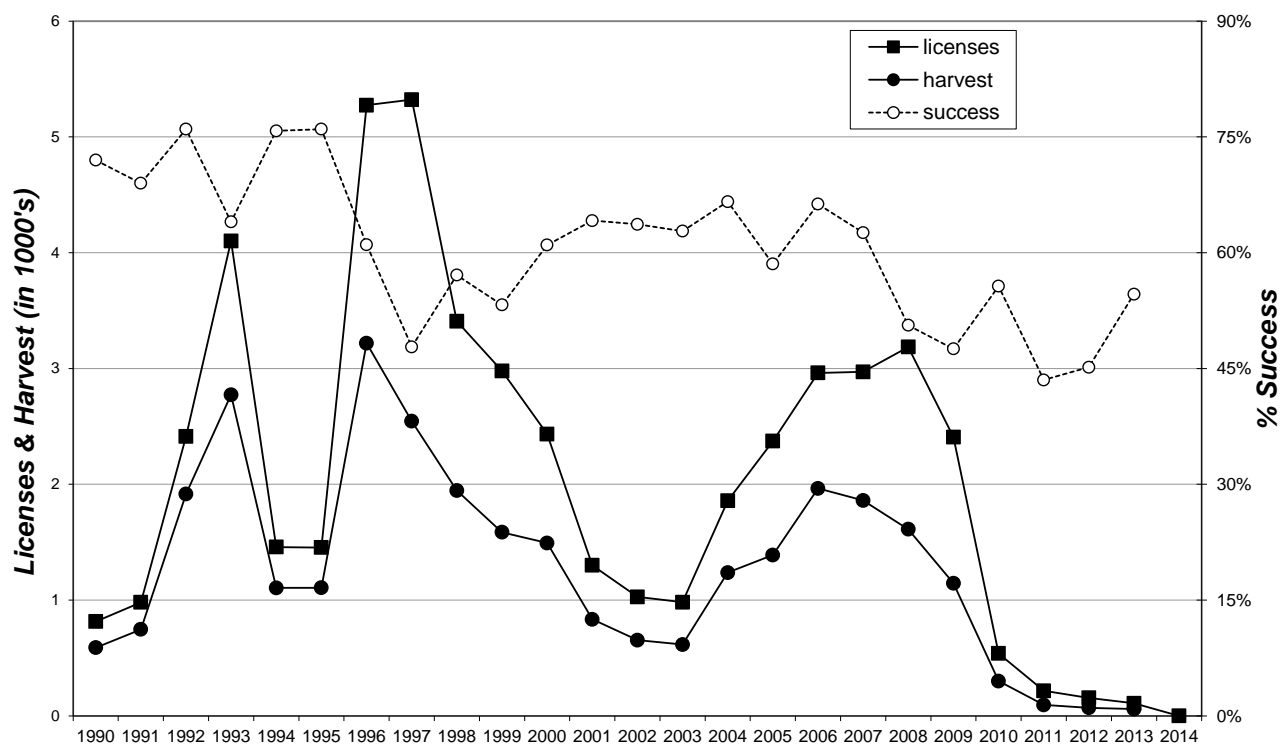
Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

\* Number of 1st drawing applicants with that season as 1st choice.

## Black Hills Buck/Any Deer 1976-2014



## Black Hills Antlerless Deer 1990-2014



## **CUSTER STATE PARK DEER**

The 2014 Custer State Park Deer season was open November 1-14 and 30 licenses were issued.

All license holders that provided an email address when they applied for their license were surveyed by email and 21 were returned for a 70% return rate. Those responding reported hunting an average of 2.19 days, which projected to 66 recreation days for the season.

The harvest projection for the Custer State Park Deer season was 21 deer (8 adult whitetail bucks, 10 adult whitetail does, and 3 fawn whitetail does). The overall season harvest success rate was 68%.

Summary comparison of the 2004-2014 seasons

Year	Apps	Licenses	Whitetail		Mule		Total	Success	Avg Days Hunted
			Bucks	Does	Bucks	Does			
2004	757	52	9	20	2	0	31	60%	1.1
2005	876	50	12	17	2	1	32	64%	1.6
2006	1,016	37	9	32	2	0	43	97%	2.7
2007	1,203	37	9	31	2	0	42	95%	2.8
2008	1,088	47	8	38	2	0	48	86%	3.0
2009	1,667	47	10	42	2	0	54	87%	2.7
2010	1,336	47	8	44	2	0	52	84%	6.3
2011	1,831	47	10	23	2	0	35	88%	2.6
2012	1,825	12	10	0	1	0	11	92%	3.5
2013	1,474	30	7	17	0	0	24	80%	3.3
2014	1,755	30	8	13	0	0	21	68%	2.2

## **2014 Custer State Park Deer Harvest Projections**

Last Revised: 25 March 2015

Last Revised: 23 March 2015

Unit/Type	Licenses				Harvest Projections								Mean Satisfctn Score	Avg Days Hunted
	Resident				Resp.	Success	Whitetail				Total Deer Harvested	CI (95%)		
	Appl. 1st Choice *	Avail.	Sold	CI (95%)			Bucks		Does					
							Adult	Fawn	Adult	Fawn				
CU1-11	1,662	10	10	50%	80%	8	0	0	0	8	+/-2	6.40	2.00	
CU1-13	93	20	20	80%	63%	0	0	10	3	13	+/-2	6.31	2.25	
	1,755	30	30	70.0%	68%	8	0	10	3	21	+/-5	6.33	2.19	

Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

\* Number of 1st drawing applicants with that season as 1st choice.

## **MOUNTAIN GOAT**

There was no season for Mountain Goats in the Black Hills for 2014.

Comparison of the 2001-2014 Black Hills Mountain Goat seasons

<b>Year</b>	<b>Apps/License</b>	<b>Billies Harvested</b>	<b>Nannies Harvested</b>	<b>Success</b>	<b>Avg. Days Hunted</b>
2001	1,919/4	2	2	100%	1.5
2002	1,955/3	2	1	100%	1.7
2003	2,046/3	1	2	100%	5.7
2004	2,189/3	1	2	100%	6.3
2005	2,591/2	0	2	100%	2.5
2006	2,678/2	0	1	50%	5.5
2007-2014	No Season				

## **BIGHORN SHEEP**

This was the 15<sup>th</sup> year bighorn sheep licenses were made available outside Custer State Park. The 2014 season was open from September 1 through December 31. In addition to the traditional unit in Pennington County west of SD Highway 79, an additional unit 2 was created in 2008 in Custer County west of Highway 79 with one license available. There were 4,336 applicants for the two any-bighorn licenses (2,730 for unit 1 and 1,606 for unit 2). An additional license was auctioned to the highest bidder and was valid in unit 2. All hunters were surveyed and all were successful at harvesting a ram. The three hunters reported an average of 9.2 days hunting. The Custer State Park Bighorn Sheep season remained closed in 2014.

Comparison of the 2005-2014 Black Hills Bighorn Sheep seasons

<b>Year</b>	<b>Apps/License</b>	<b>Rams Harvested</b>	<b>Ewes Harvested</b>	<b>Success</b>	<b>Avg. Days Hunted</b>
2005	2,741/3	3	0	100%	6.7
2006	3,003/3	3	0	100%	6.0
2007	3,514/4	4	0	100%	7.3
2008	3,533/5	5	0	100%	4.8
2009	3,541/5	5	0	100%	8.6
2010	3,643/5	5	0	100%	23
2011	3,614/3	3	0	100%	6.7
2012	3,381/2	2	0	100%	6.0
2013	4,033/2(+1)	3	0	100%	4.5
2014	4,336/2(+1)	3	0	100%	9.2

Comparison of the 2001-2014 Custer State Park Bighorn Sheep seasons

<b>Year</b>	<b>Applications</b>	<b>Licenses</b>	<b>Harvest</b>	<b>Success</b>	<b>Avg. Days Hunted</b>
2001	2,466	3	3 rams	100%	1.7
2002	2,424	2	2 rams	100%	2.5
2003	2,506	2	2 rams	100%	1.5
2004	2,725	3	3 rams	100%	4.0
2005-2014	CLOSED				

# **MOUNTAIN LION**

The 2014 Black Hills season opened on December 26, 2013 and ended on March 31, 2014. The quota for 2014 was 75 total or 50 female lions. After the Black Hills season closed, anyone with a valid 2014 license who did not take a mountain lion could hunt the remainder of the calendar year on land that was located outside the Black Hills Fire Protection District.

There were 3,293 resident mountain lion licenses issued prior to the end of the 2014 Black Hills season. The overall Black Hills success rate was 1.61%, with a total of 53 mountain lions harvested, 31 of which were females. Check station data showed that 14 lions were harvested in Custer County, 19 in Pennington County, 18 in Lawrence County, and 2 in Meade County. Between December 26, 2013 and December 25, 2014, 2 male lions and 1 female lion were harvested outside the Black Hills Fire Protection District.

Surveys were emailed or mailed to all hunters who purchased a license before the Black Hills quota was reached and the survey response rate was 74%. Hunters reported an average of 6.9 days of hunting. Average hunter satisfaction was 4.69 and was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied), 4 being neutral. Hunters who purchased a license after the regular Black Hills season ended were not surveyed.

## Harvest summaries for 2007-2014 Statewide Mountain Lion seasons

Harvest summaries of 2007-2014 Statewide Mountain Lion seasons							
YEAR	Licenses Sold	Actual Harvest				Active Hunters	Average Satisfaction
		Black Hills		Prairie			
		Males	Females	Males	Females		
2007	4,070	2	15	1	1	2,401	5.08
2008*	35	0	0	0	1	N/A	N/A
2009	2,678	11	15	2	2	1,646	5.18
2010	2,357	16	24	2	1	1,468	5.00
2011	2,560	20	27	3	0	1,790	5.11
2012	3,786	27	46	2	2	2,646	4.92
2013	4,351	26	35	6	0	2,872	4.71
2014	3,293	22	31	2	1	1,953	4.69

\*There was no regular season during 2008, only landowner licenses were issued.

## Harvest summaries for 2005-2006 Black Hills Mountain Lion seasons

YEAR	Licenses Sold	Actual Harvest			Active Hunters	Average Satisfaction
		Males	Females	Success		
2005	2,294	6	7	0.57%	1,305	5.31
2006	3,016	7	8	0.50%	1,807	5.06

## Harvest summaries for 2005-2006 Prairie Mountain Lion seasons

YEAR	Licenses Sold	Actual Harvest			Active Hunters	Average Satisfaction
		Males	Females	Success		
2005	303	0	0	0%	UNK	UNK
2006	290	1	0	0.34%	UNK	UNK

## **WORKING POPULATION ESTIMATES**

The following text provides a basic overview of the current methodology and information used in survey and modeling efforts to construct population estimates for big game in South Dakota.

### **DEER**

All prairie deer units are divided into four data analysis units (DAU's). Deer within individual DAUs are assumed to have similar demographics. Annual survival ( $s$ ) and hunter harvest mortality [ $(hm)$ -the proportion of total mortality caused from hunter harvest] rates are estimated based on recent research findings obtained in those designated DAU's through radio-collared individuals. Survival and  $hm$  rates are quantified separately between species and geographical area. The current year harvest projections ( $h$ ) (including total harvest of all user groups combined) are calculated for each prairie deer unit and then analyzed at the DAU level. The pre-season population estimate ( $N$ ) is then formulated for each DAU and combined for an East River and West River prairie estimate using the formula:  $N = ((h)/(hm)) / (1-s)$ . Pre-season estimates for deer are derived when populations are at their highest before any hunting or other sources of mortality have occurred. Therefore, pre-season estimates for deer do not take into account additional mortality factors that occur on populations over the summer months. The pre-reproduction estimates ( $pN$ ) (remaining population after all mortality factors are taken into account) are then derived for each DAU using the formula:  $pN = (N) - ((h)/(hm))$ .

Confidence intervals for population estimates are derived using Markov Chain Monte Carlo (MCMC) simulation methods in Program R. Standard errors are calculated for all survival input variables using the maximum likelihood estimator and sex and age ratio standard errors are calculated using the binomial proportion confidence interval estimator. One million random inputs are generated through MCMC simulations for each input variable from a probability distribution over the domain of each standard error. The results of the simulation are then aggregated to formulate the confidence interval for the population estimate of interest.

Population projections are then calculated for the next two years using current year fall deer herd composition data and 2009-2014 annual survival rates from radio-collared animals. Lambda (the annual rate of change overtime) is then calculated to indicate if the population of interest is increasing, decreasing or stable. Confidence intervals for lambda are developed using MCMC simulation methods in Program R, incorporating standard errors for all input variables. To predict how different license recommendations may impact  $\lambda$ , change in harvest is assumed to be additive, and the potential number of animals added or removed from the population is derived from the previous 3-year average success rate for that license type.

All Black Hills deer units are combined into one DAU. Black Hills deer populations are estimated separately for each species. Age and sex ratio data are obtained through the fall deer herd composition survey. Survival estimates and cause-specific mortality information quantified over the last 15 years is calculated using radio-collared individuals throughout the Black Hills. Predation rates are obtained through recent predator-prey interaction findings and these rates are included in modeling procedures along with the current year firearm, archery, muzzleloader, and youth hunter harvest information. Confidence intervals for ( $N$ ) are derived through MCMC simulation methods in Program R. Projection modeling is performed to formulate lambda to indicate if the population of interest is increasing, decreasing or stable. Further advanced models will be developed when more recent survival and cause-specific mortality rates on deer in the Black Hills becomes available.

### **ELK**

Aerial surveys of elk are not conducted on an annual basis, therefore population and rate of change ( $\lambda$ ) estimates are modeled during years when aerial estimates are not available. Aerial surveys in 2013 provided data to estimate the total population size of elk wintering in the Black Hills ( $N = 5,077$ , 95% CI = 4,807–6,116; excludes Custer State Park and Wind Cave National Park), and the approximate distribution of winter elk herds. Population projections are used to estimate current population levels and are formulated using a spreadsheet model incorporating age and sex ratio data obtained through the 2014 fall herd composition survey which estimated an overall calf:cow ratio of 0.49:1 and a bull:cow sex ratio of 0.24:1. Overwinter calf survival (0.85, SE = 0.05) is used to adjust the estimated number of calves that are recruited. Annual survival estimates for adults are quantified separately between sexes (i.e., females = 0.85, SE = 0.05; males = 0.7, SE = 0.08), and those estimates are calculated from radio-collared elk in the Black Hills. Confidence intervals for the Black Hills hunting unit estimate are developed using MCMC simulation methods in Program R, incorporating standard errors for all input variables. To predict how different tag recommendations may impact

$\lambda$ , change in harvest is assumed to be additive, and the potential number of animals added or removed from the population is derived from the previous 3-year average success rate for that tag type.

### **PRONGHORN**

Pronghorn estimates were generated through aerial surveying procedures during May and June of 2015. During spring green-up, twenty seven pronghorn units were flown and surveyed using a fixed-winged aircraft at speeds < 100 mph, and altitudes between 100-200 ft. In units west of the Missouri river, aerial strip transects were flown 1.5 miles apart, with transect widths of ½ mile. Two observers (one being the pilot) recorded and classified all adult pronghorn seen within ¼ mile of each side of the aircraft. Results from sampled areas (an approximate systematic 33% of each unit) were used to project pronghorn densities in un-sampled areas. In units east of the Missouri River, the entire area was surveyed, but transect widths were increased to one mile. No sightability correction factor was used to account for potential pronghorn missed during the survey and population extrapolations assumed detection probability of pronghorn throughout the prairie landscapes of South Dakota was 100%.

To account for the variability of pronghorn densities within a unit because pronghorn are not equally distributed throughout, confidence intervals were formulated by calculating density estimates for individual transects within each unit. Standard errors for the mean pronghorn/mi<sup>2</sup> were calculated for each unit using:

$$SE_{\bar{x}} = \frac{s}{\sqrt{n}}$$

Where:

$s$  = the sample standard deviation of individual transects within each unit

$n$  = the number of transects within each unit.

To formulate spring adult population estimates, the average pronghorn density (calculated from surveyed transects) was multiplied by the total area of each hunting unit. Upper and lower bound population estimates were derived from the standard error of the mean density estimate for that unit. To formulate estimates of fawns added to the fall population, doe projections for each unit obtained through spring aerial surveys were multiplied by the respective fawn/doe ratios from fall herd composition surveys. Total fall population projections were the sum of spring adults and fall recruitment, with no adjustment to adult survival between June – September.

Monthly winter severity indices (WSI) are quantified for each pronghorn management unit using the following formula:  $WSI = (T*(-0.1) + 1)*S$ ; where (T) = the mean average temperature and (S) = the accumulative snow fall for that designated month. The monthly values (November- April) are then summed together to get a cumulative WSI value for the year. The cumulative WSI value is entered into a logistic regression model that predicts adult over-winter survival based on the severity of the winter. Adult aerial estimates from 1996-2013 were used in determining the relationship between over-winter survival and the cumulative WSI value. The regression analysis indicated as WSI increases, over-winter survival decreases. If a severe winter does occur, the model is used to adjust the adult survival estimates that are used in the projection model.

### **MOUNTAIN LIONS**

Mountain lion population estimates are derived using the Lincoln-Petersen mark-recapture method, with the Chapman modification to account for small sample sizes. Leading up to the 2014/15 mountain lion hunting season, 41 adult and sub-adult mountain lion DNA samples were obtained via radio-collaring or biopsy darting efforts and considered available for harvest during the first day of the hunting season. The 96-day hunting season is considered the recapture event, and during that time 43 adult and sub-adult lions were harvested; of which 9 were previously DNA sampled. The inputs for the 2014/2015 Lincoln-Petersen mark-recapture estimate are as follows;  $M = 41$ ,  $C = 43$ ,  $R = 9$ .

Lincoln-Petersen mark-recapture Chapman estimates are derived using:

$$N = \frac{(M + 1)(C + 1)}{R + 1} - 1$$

$N$  = Estimate of adult population size

$M$  = Total number of adults captured and marked on the first visit

$C$  = Total number of adults captured on the second visit

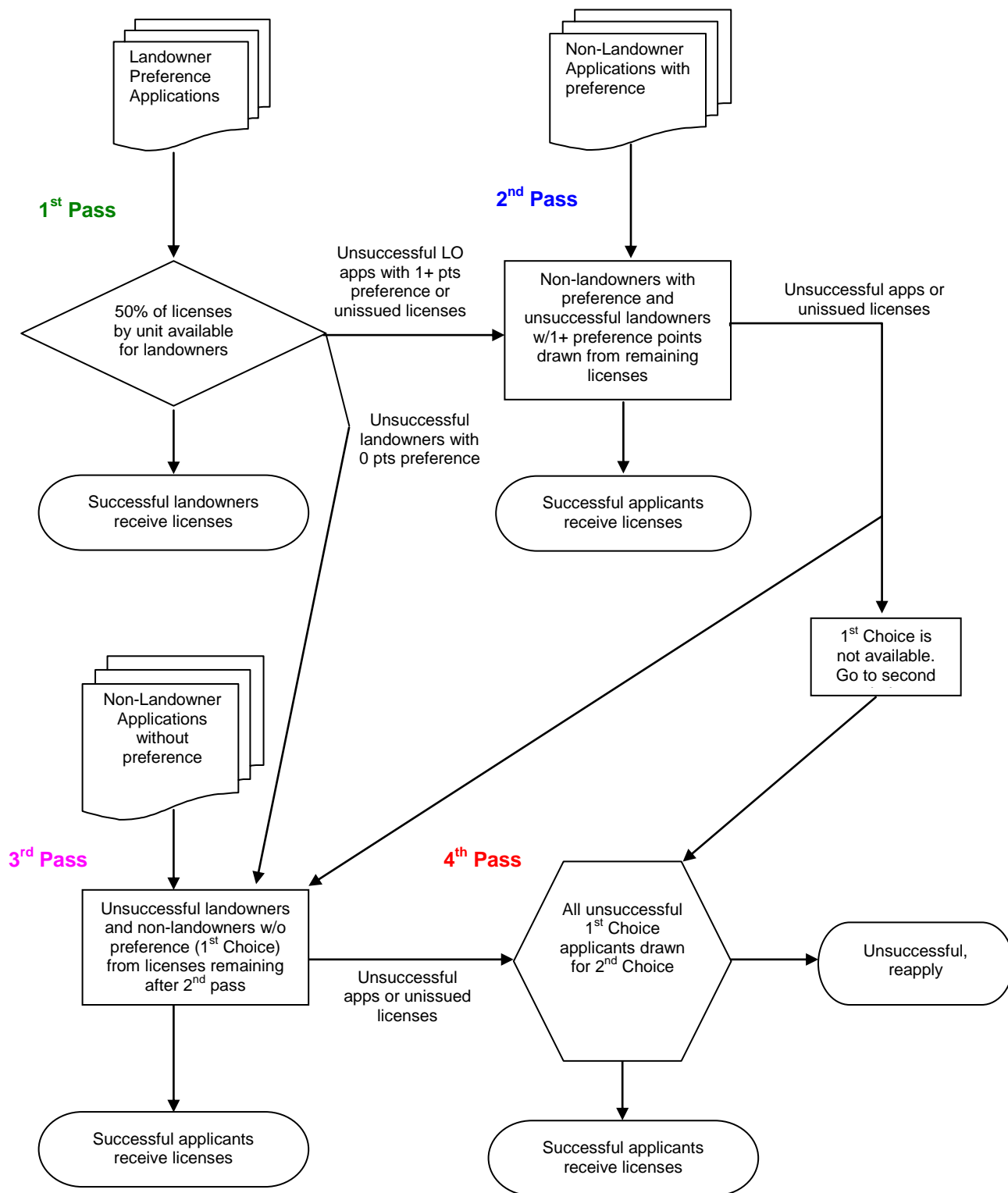
$R$  = Number of adults captured on the first visit that are then recaptured on the second visit

95% confidence intervals are then formulated using the variance estimator below:

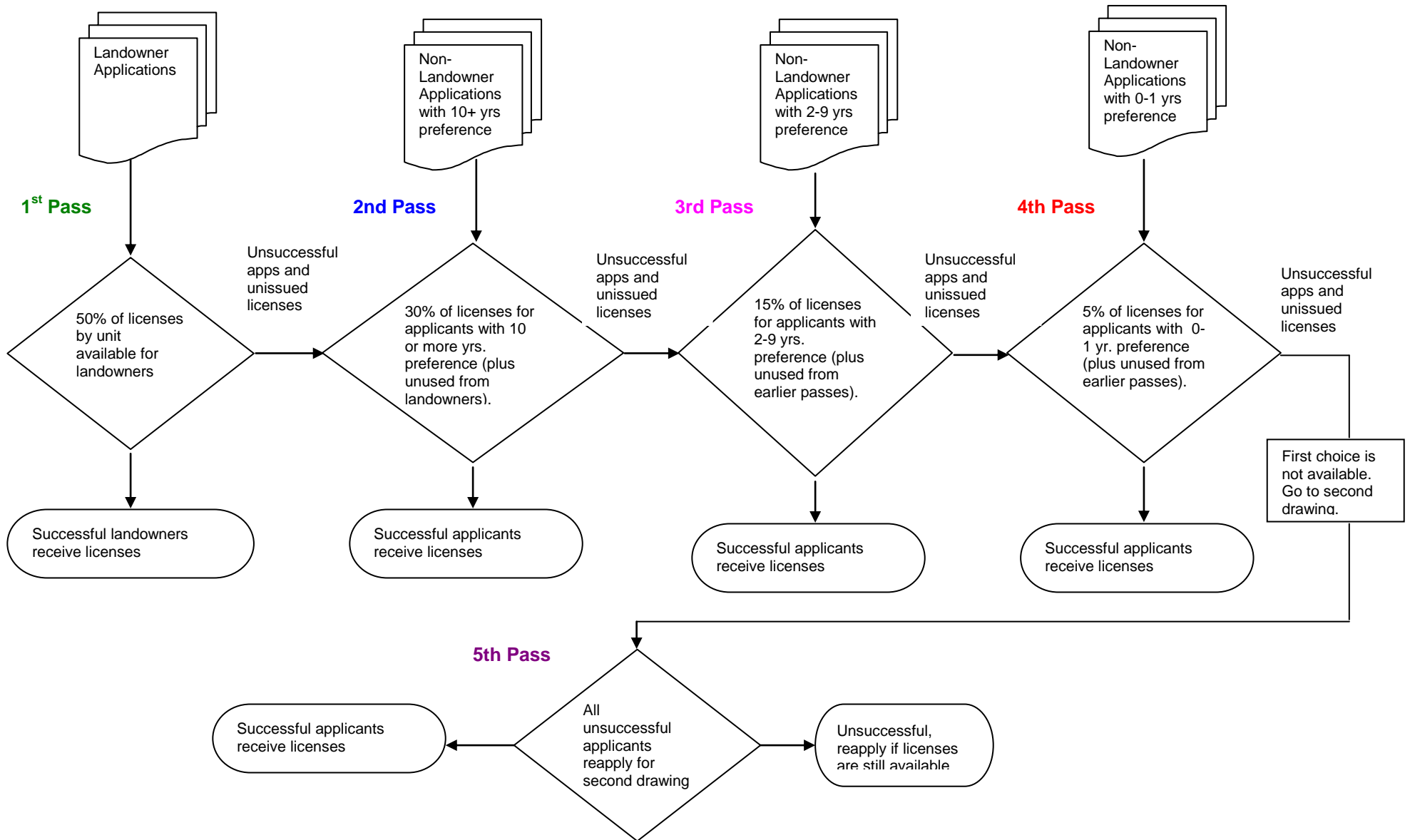
$$var(N) = \frac{(M+1)(C+1)(M-R)(C-R)}{(R+1)(R+1)(R+2)}$$

Species	Geographic Area	Estimate	95% CI	Time period
White-tailed Deer				
	East & West River Prairie	370,054	232,150 - 507,958	Pre-season 2014
	Black Hills Proper	45,055	31,695 - 58,415	
Mule Deer				
	East & West River Prairie	94,820	60,183 - 129,457	Pre-season 2014
	Black Hills Proper	9,357	6,018 - 12,696	
Elk				
	Black Hills Hunting Units	6,071	5,042 – 7,568	Winter 2014/15
	Custer State Park	525	480 – 556	
Pronghorn (adults)				
	Prairie Units	23,909	16,677 – 31,141	Spring 2015
	Custer State Park	138		
Bighorn Sheep (adults)				
	Badlands Nat'l Park	90		Fall 2014
	Black Hills Proper	298		
	Custer State Park	40		
Mountain Goats (adults)				
	Black Hills Proper	121	71-207	Spring 2014
Mountain Lions (adults/sub-adults)				
	Black Hills Proper	185	101 - 269	Winter 2014/15
Turkey				
	Prairie Units	N/A		
	Black Hills Proper	N/A		

Big Game Drawing Process (excluding Elk)



## Big Game Drawing Process for Elk (except CSP)



## Big Game Drawing Process for Custer State Park Elk

